



# **STIC Search Report**

## **Biotech-Chem Library**

**STIC Database Tracking Number: 156531**

**TO: David Lukton**  
**Location: REM/3B75/3C70**  
**Art Unit: 1653**  
**June 30, 2005**

**Case Serial Number: 10/790260**

**From: P. Sheppard**  
**Location: Remsen Building**  
**Phone: (571) 272-2529**

**sheppard@uspto.gov**

### **Search Notes**

ACCESS DB # 156531

SEARCH REQUEST FORM  
(STIC)

PLEASE PRINT CLEARLY

Requestor's Name: David Lukton

Examiner number: 71263

Date: 6/15/05

Art Unit: 1653

Phone number: 571-272-0952

Serial Number:

10/790260

Mail Box: 3-C-70

Examiner Rm: 3-B-75

Results format: paper

\*\*\*\*\*

Title: STREPTOGRAMIN DERIVATIVES, PREPARATION METHOD AND  
COMPOSITIONS CONTAINING SAME

Applicants: DESMAZEAU, PASCAL; DOERFLINGER, GILLES; RIBEILL,  
YVES; BACQUE, ERIC; BARRIERE, JEAN-CLAUDE; DUTRUC-ROSSET,  
GILLES ; PUCHAULT, GERARD

Earliest Priority Date: 2/26/98

\* \* \* \*

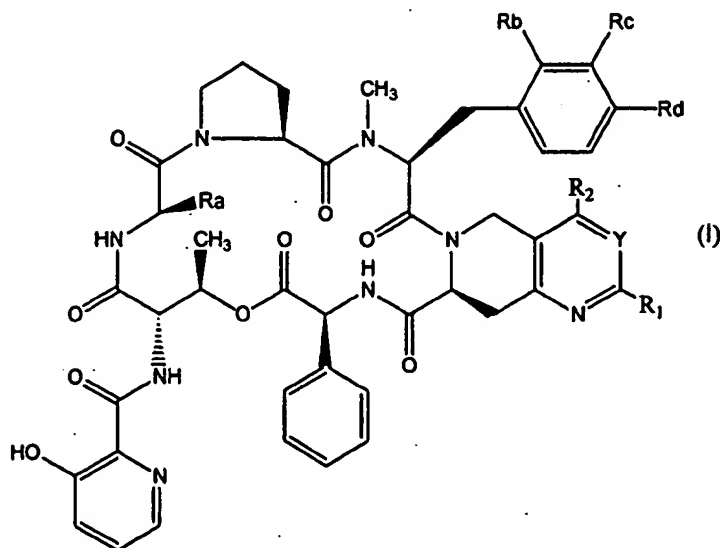
R<sub>b</sub>, R<sub>c</sub>, and R<sub>d</sub> can be anything;

R<sub>1</sub> = anything;

R<sub>2</sub> = anything;

Y = carbon or nitrogen

R<sub>a</sub> = methyl or ethyl



=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 14:38:06 ON 30 JUN 2005

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 30 Jun 2005 VOL 143 ISS 1

FILE LAST UPDATED: 29 Jun 2005 (20050629/ED)

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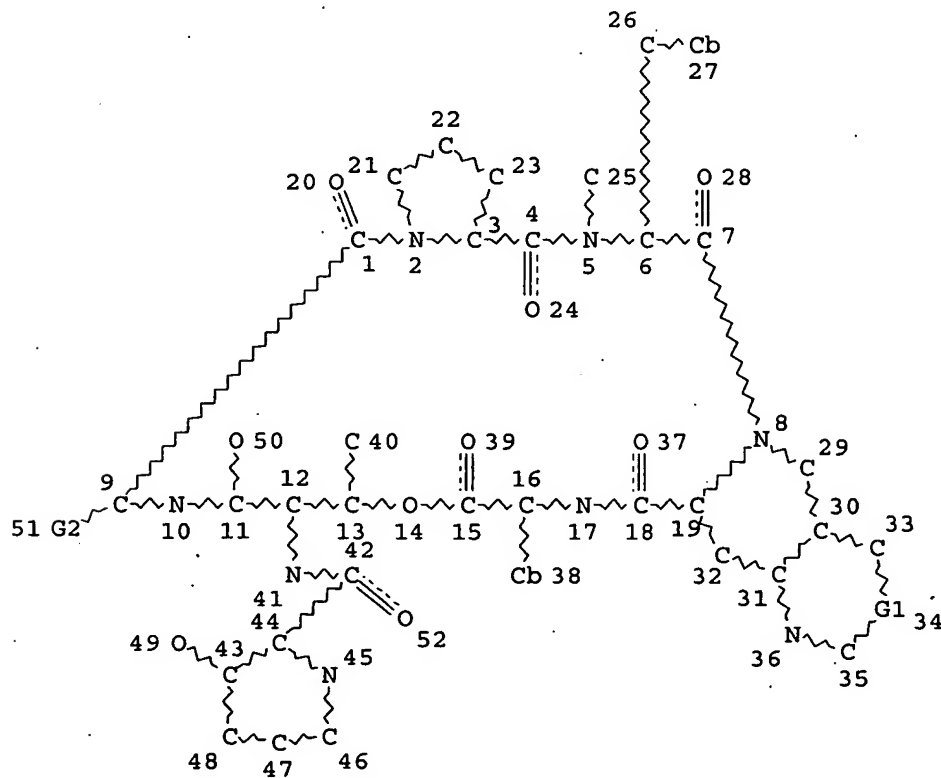
This file contains CAS Registry Numbers for easy and accurate substance identification.

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 DEFAULT ECLEVEL IS LIMITED

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 NUMBER OF NODES IS 52

STEREO ATTRIBUTES: NONE  
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 L4 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L3

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L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1999:566069 HCAPLUS  
 DOCUMENT NUMBER: 131:185250  
 TITLE: Preparation of Streptogramin derivatives as  
 antimicrobial agents  
 INVENTOR(S): Desmazeau, Pascal; Doerflinger, Gilles; Ribeill, Yves;  
 Bacque, Eric; Barriere, Jean-claude; Dutruc-rosset,  
 Gilles; Puchault, Gerard  
 PATENT ASSIGNEE(S): Rhone-Poulenc Rorer S.A., Fr.  
 SOURCE: PCT Int. Appl., 202 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9943699	A1	19990902	WO 1999-FR409	19990224
W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
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AU 9926283	A1	19990915	AU 1999-26283	19990224
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EP 1056771	A1	20001206	EP 1999-906296	19990224
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JP 2002504560	T2	20020212	JP 2000-533450	19990224
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NO 2000004273	A	20001023	NO 2000-4273	20000825
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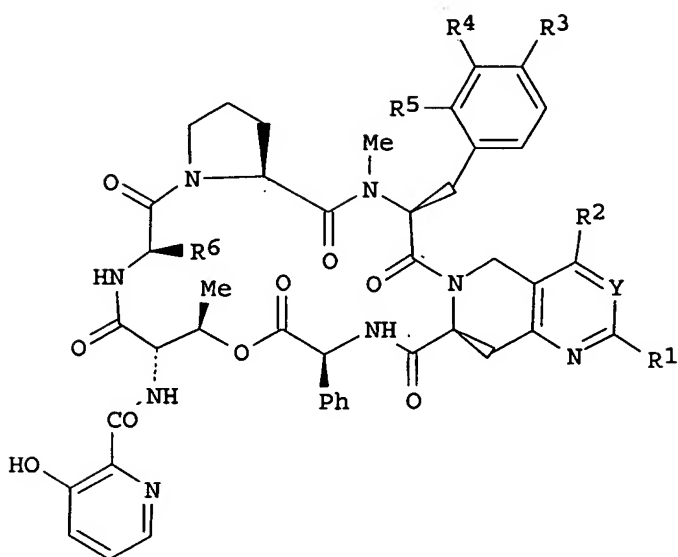
US 2000-643197

A3 20000822

OTHER SOURCE(S):

MARPAT 131:185250

GI



I

AB The invention concerns group B streptogramin derivs. I (Y = N, substituted carbon; R1 = H, alkyl, alkenyl, cycloalkyl, heterocycle, Ph, aryl; R2 = H, alkyl; R3 = Me, Et; R4-R6 = independently H, methylamino, dimethylamino, halo, alkenyl) were prepared as antimicrobial agents. Thus, 2"-methyl-pyrido[2,3-5 $\gamma$ ,5 $\delta$ ]pristinamycin IE was prepared and tested for its antimicrobial activity (no data).

IT 239792-92-8P 239792-94-0P 239792-99-5P  
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 239793-28-3P 239793-48-7P 239793-70-5P

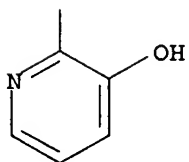
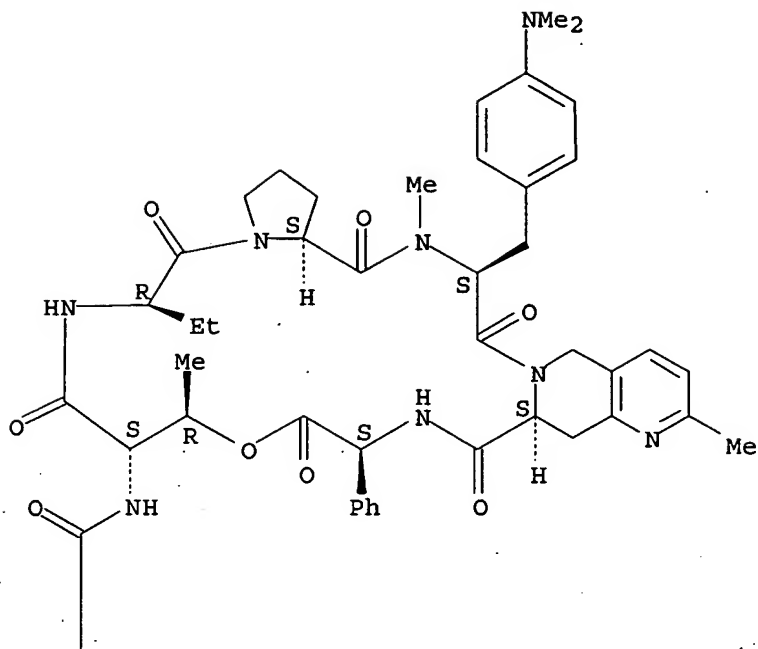
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(preparation of streptogramin derivs. as antimicrobial agents)

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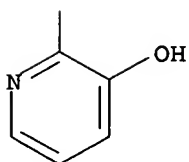
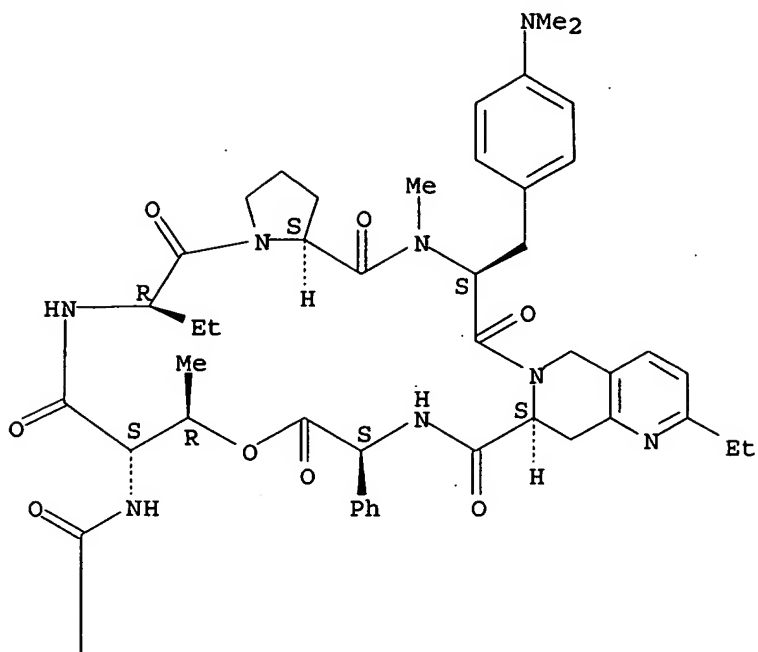
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Absolute stereochemistry.



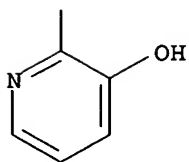
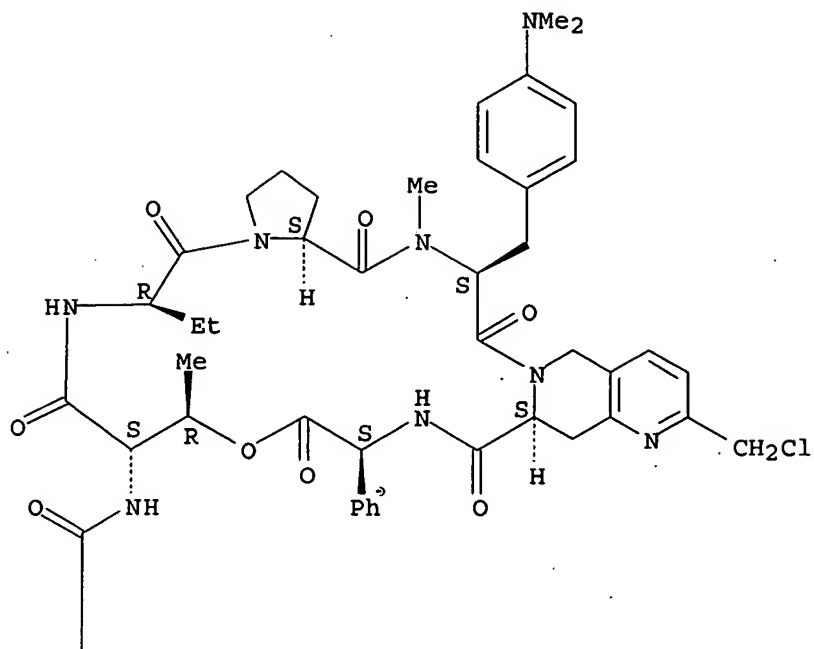
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Absolute stereochemistry.



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Absolute stereochemistry.



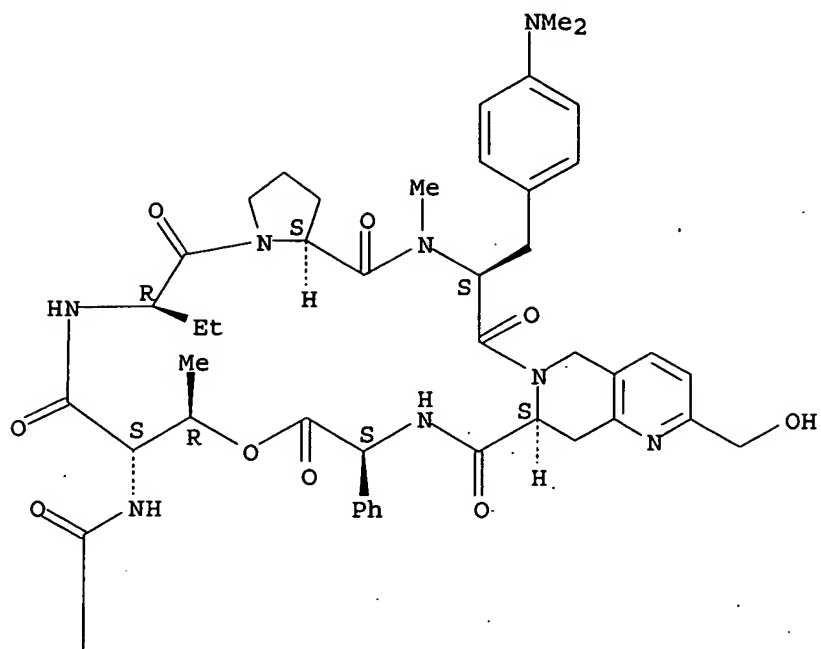
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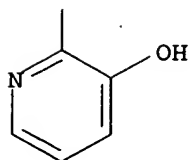
Absolute stereochemistry.



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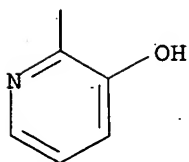
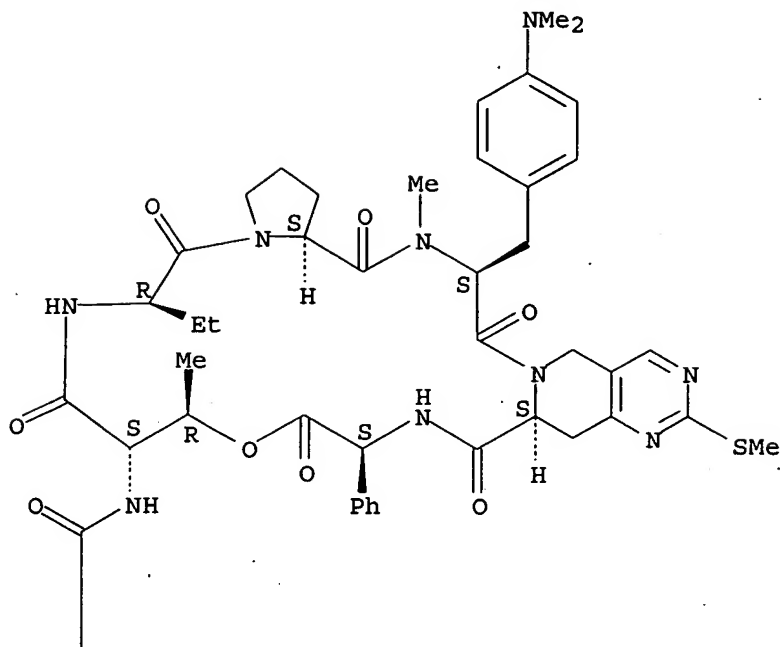
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RN 239793-19-2 HCAPLUS

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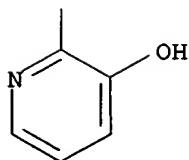
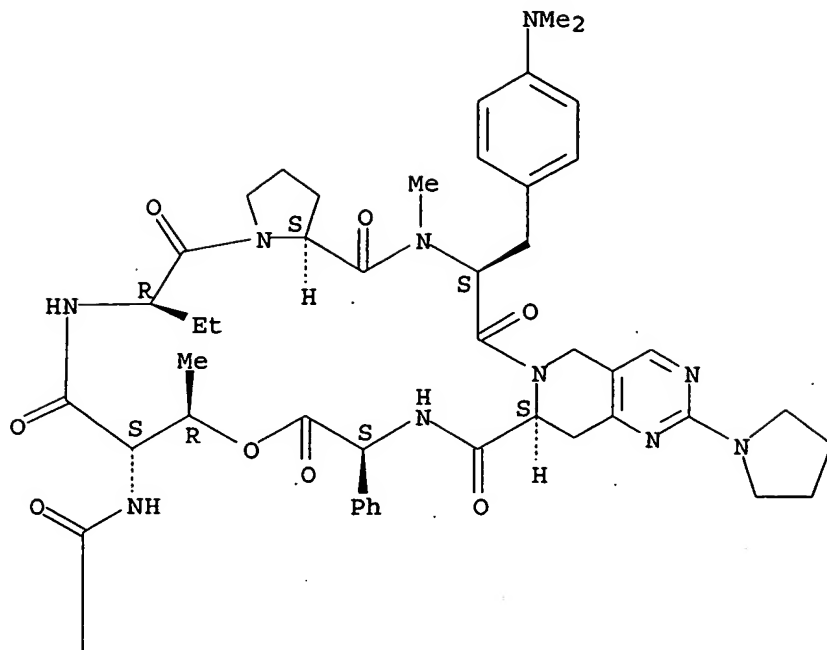
Absolute stereochemistry.



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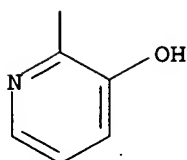
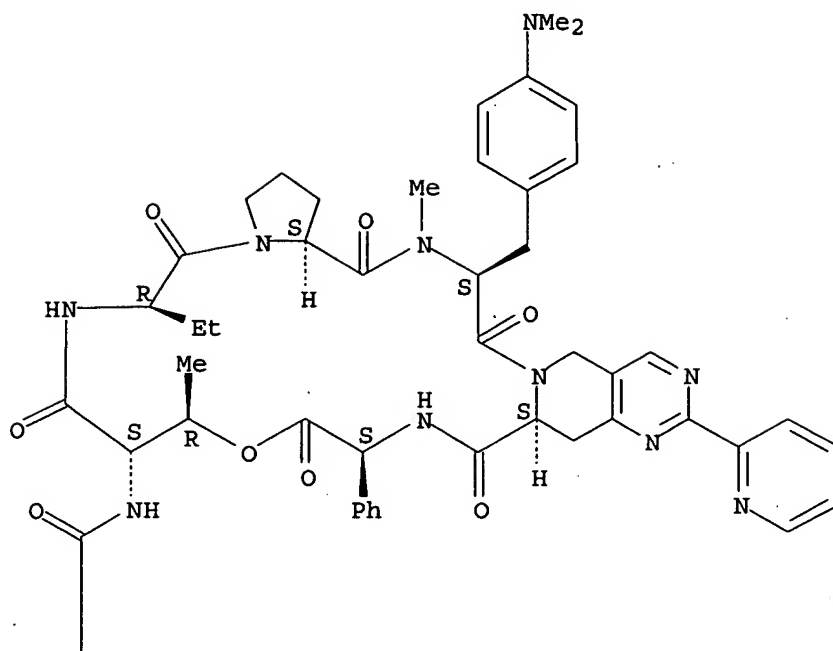
Absolute stereochemistry..



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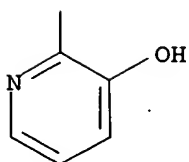
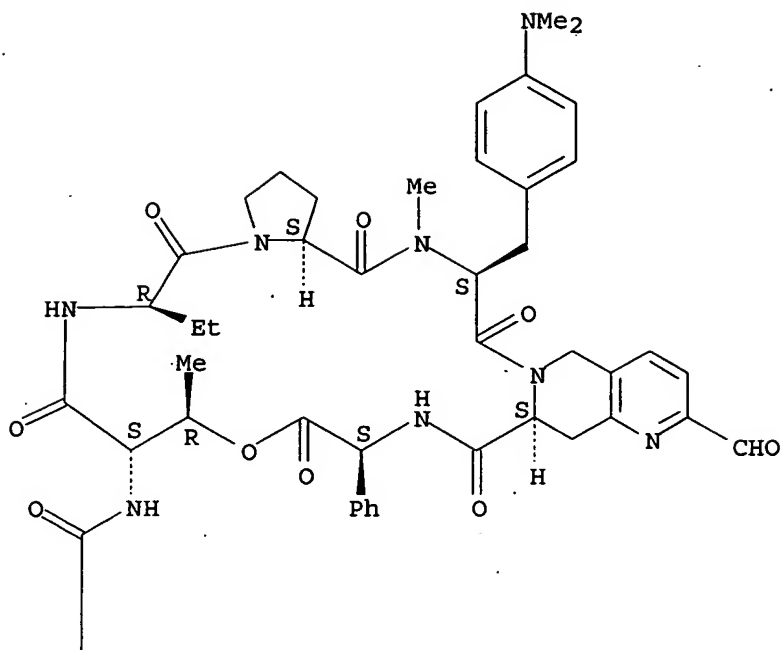
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Absolute stereochemistry.



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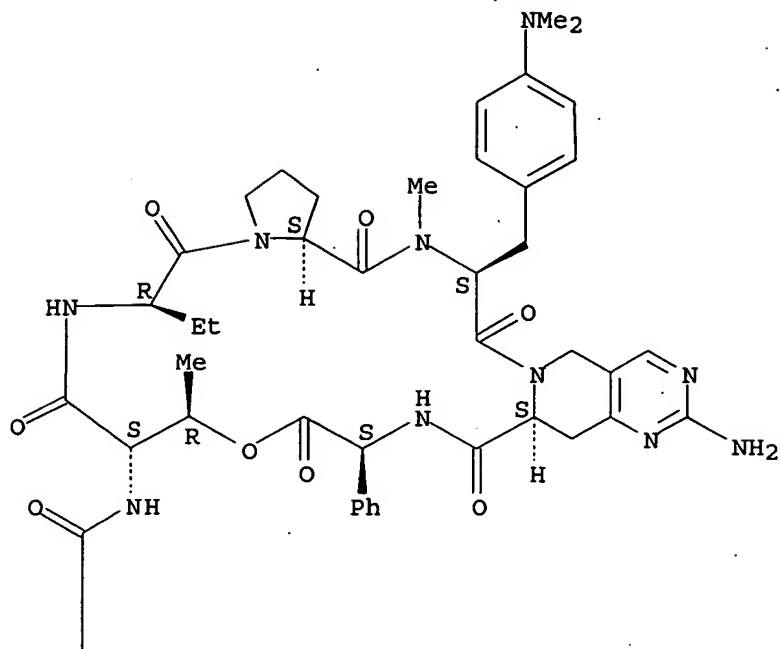
Absolute stereochemistry.



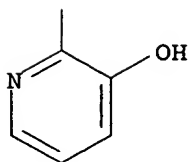
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Absolute stereochemistry.

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IT 239792-85-9P 239792-86-0P 239792-88-2P  
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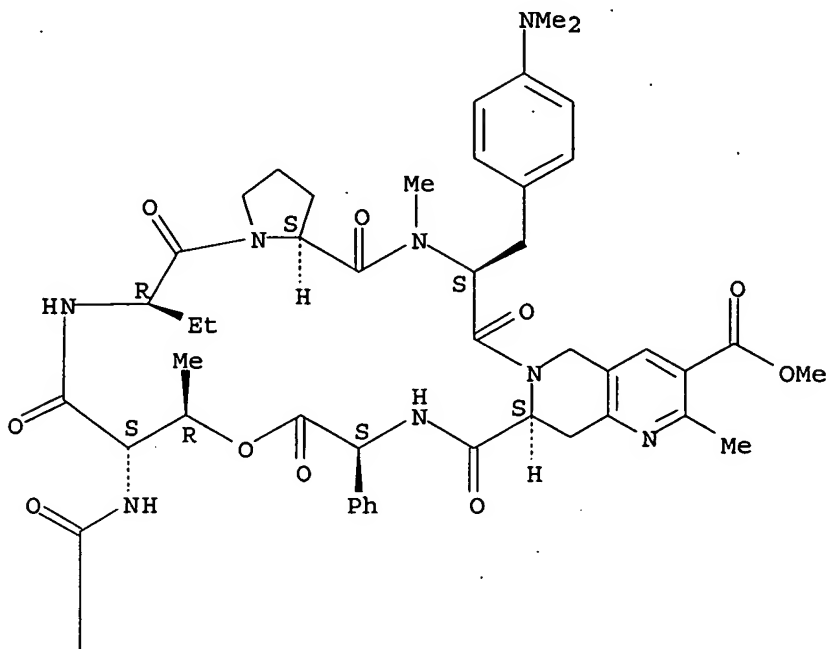
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of streptogramin derivs. as antimicrobial agents)

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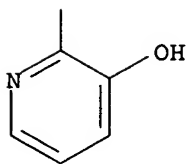
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Absolute stereochemistry.

PAGE 1-A



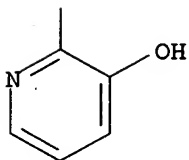
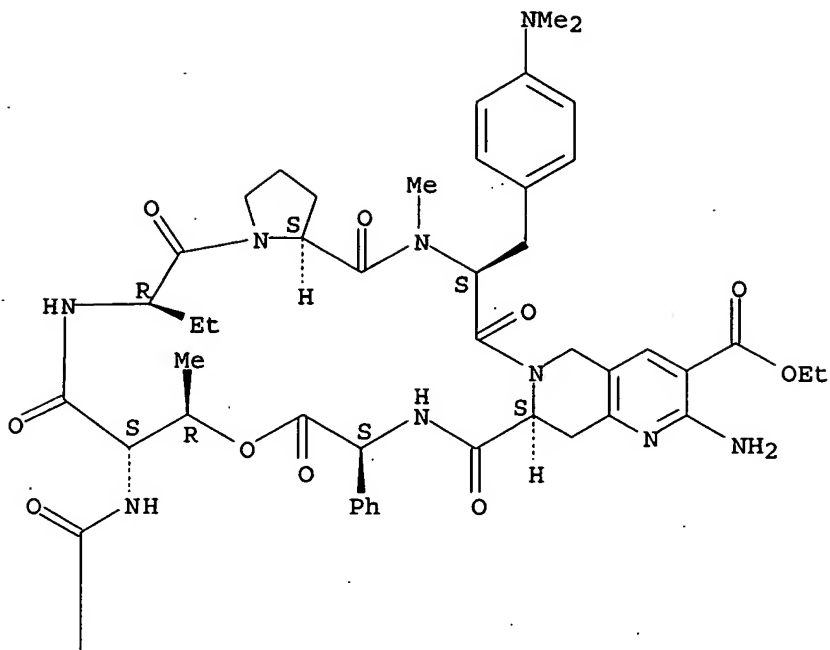
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Absolute stereochemistry.

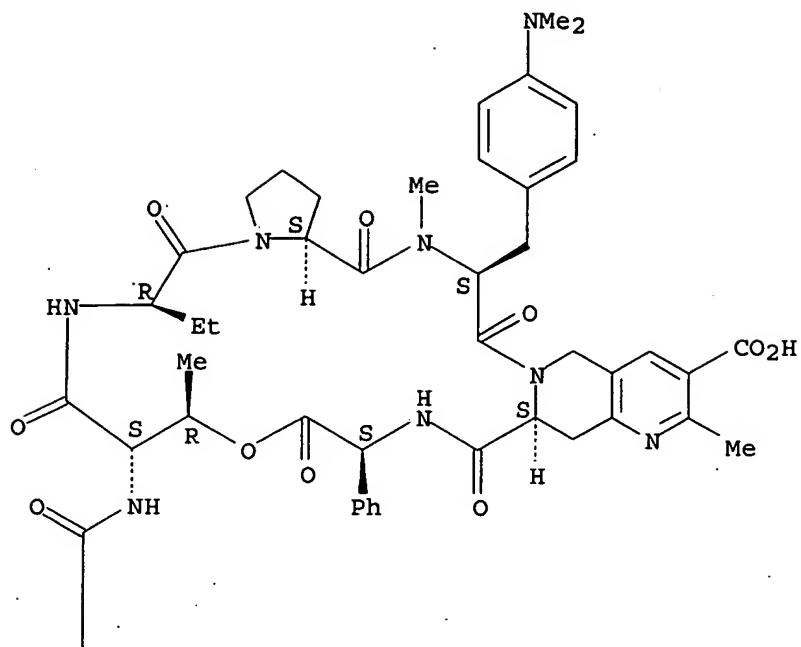


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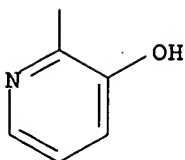
Absolute stereochemistry.



PAGE 1-A



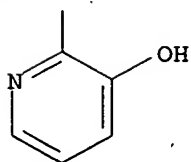
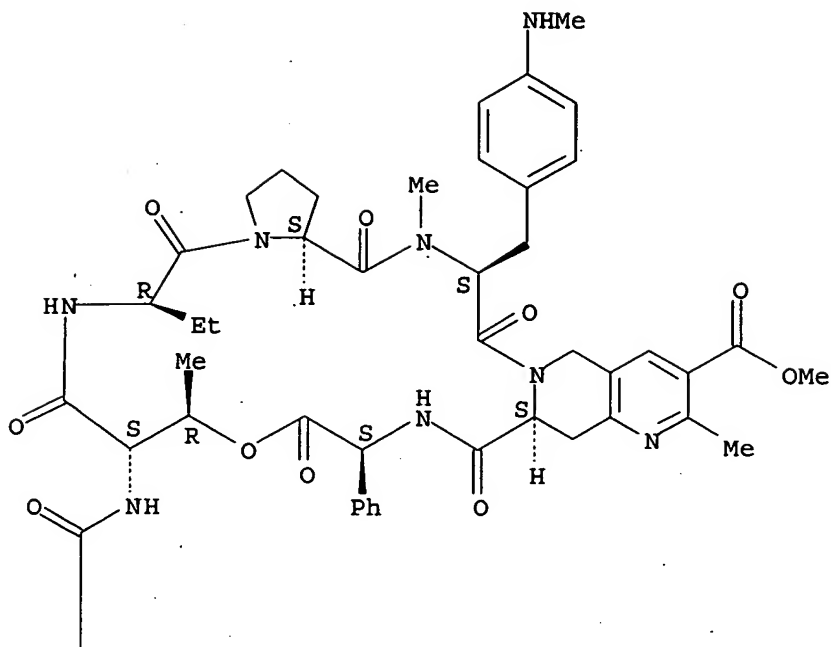
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Absolute stereochemistry.

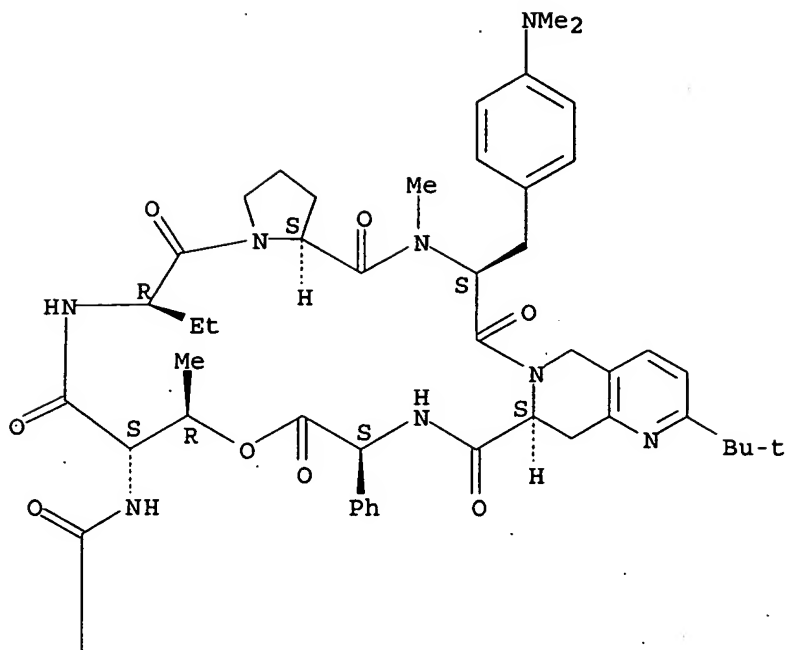


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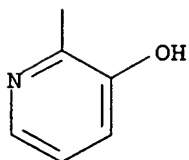
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Absolute stereochemistry.

PAGE 1-A



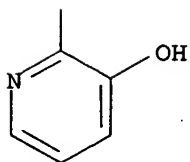
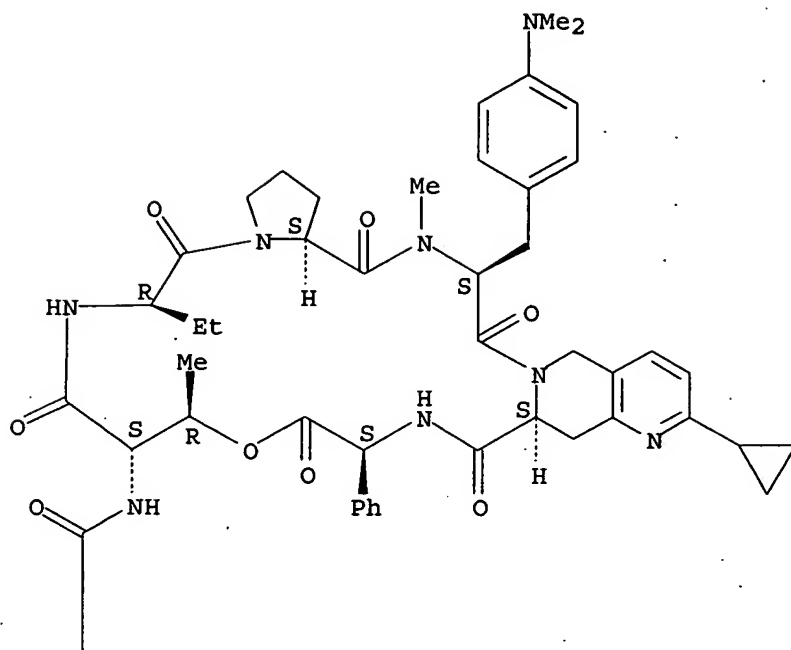
PAGE 2-A



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Absolute stereochemistry.

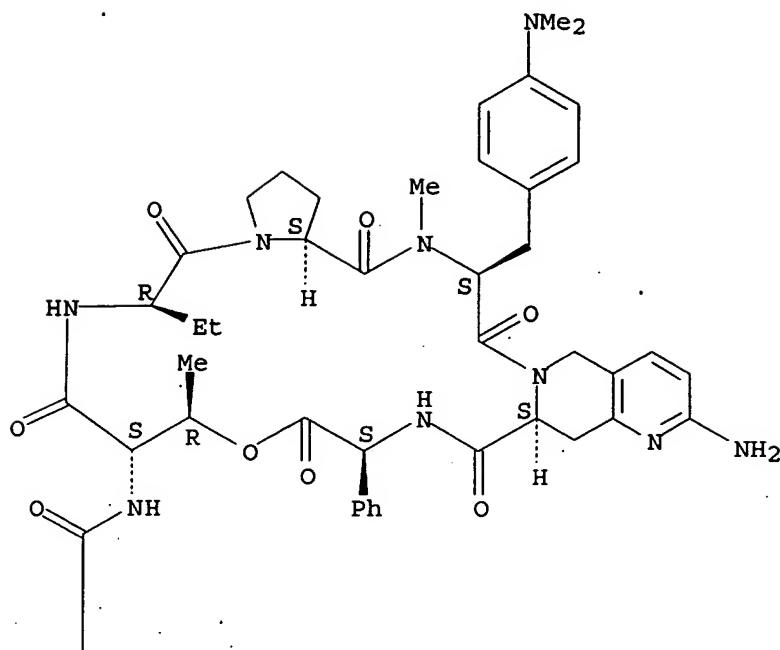


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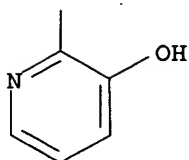
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Absolute stereochemistry.

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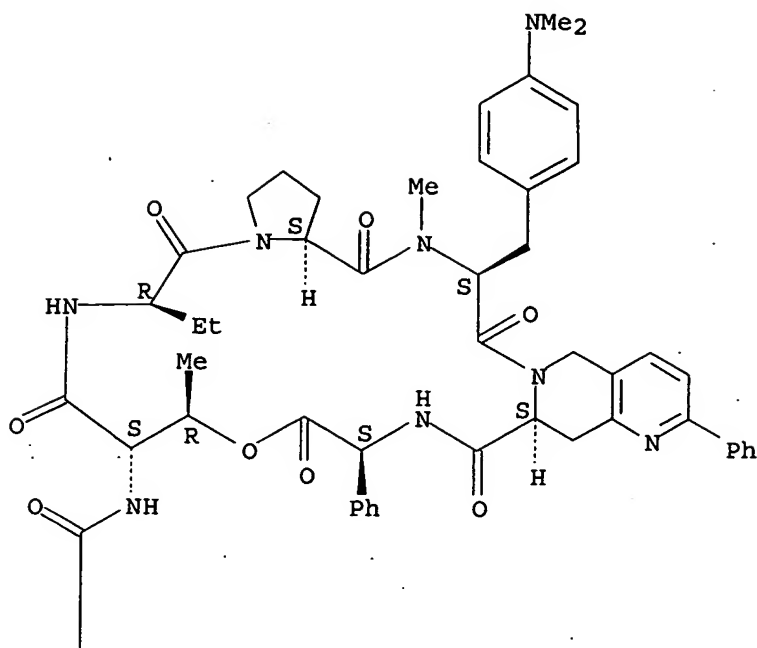
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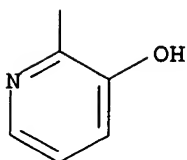
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Absolute stereochemistry.

PAGE 1-A



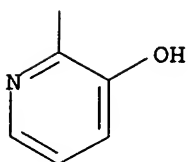
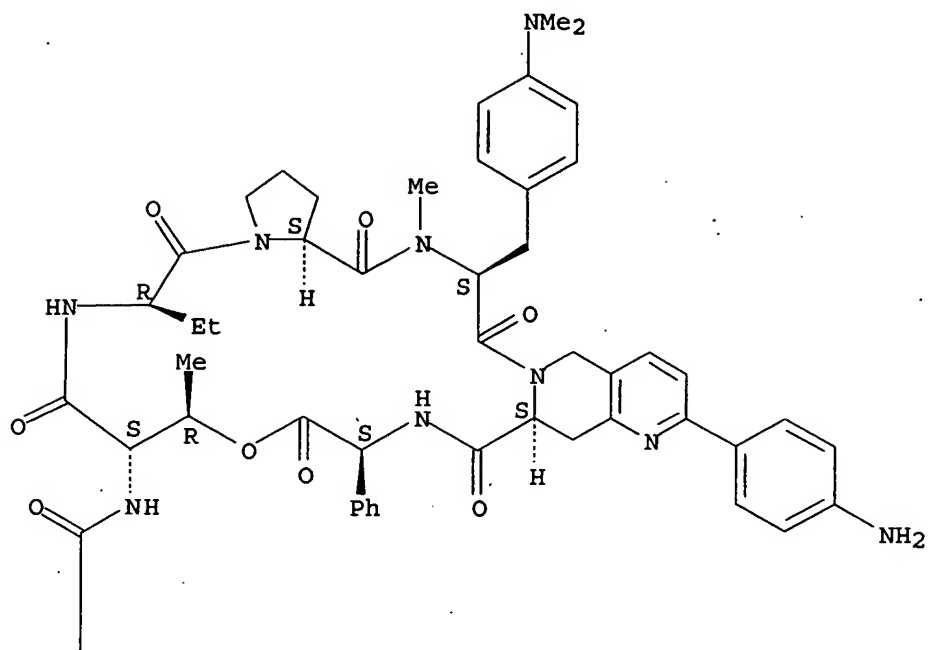
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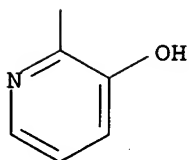
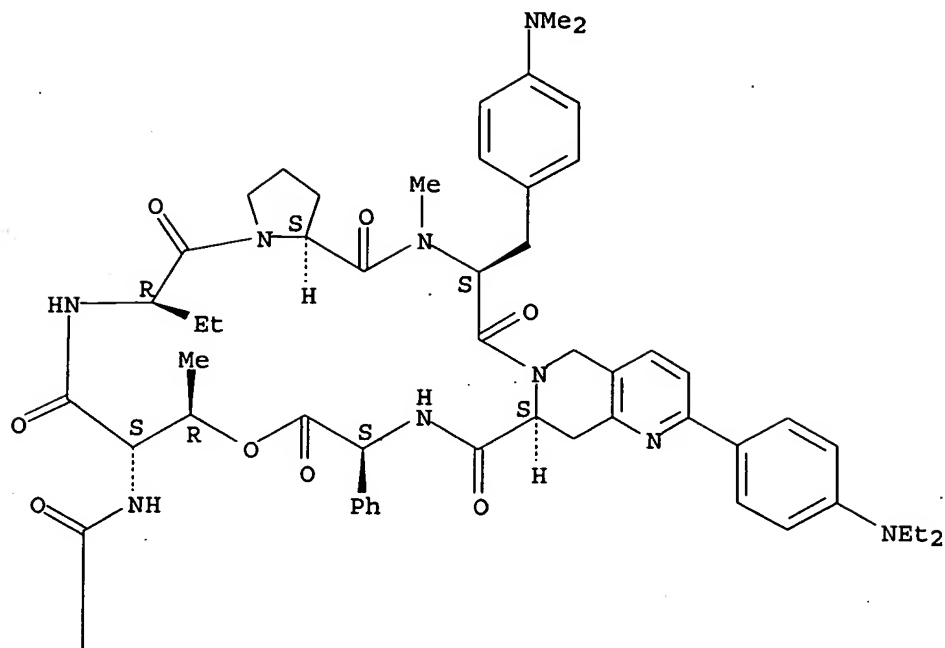
Absolute stereochemistry.



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Absolute stereochemistry.



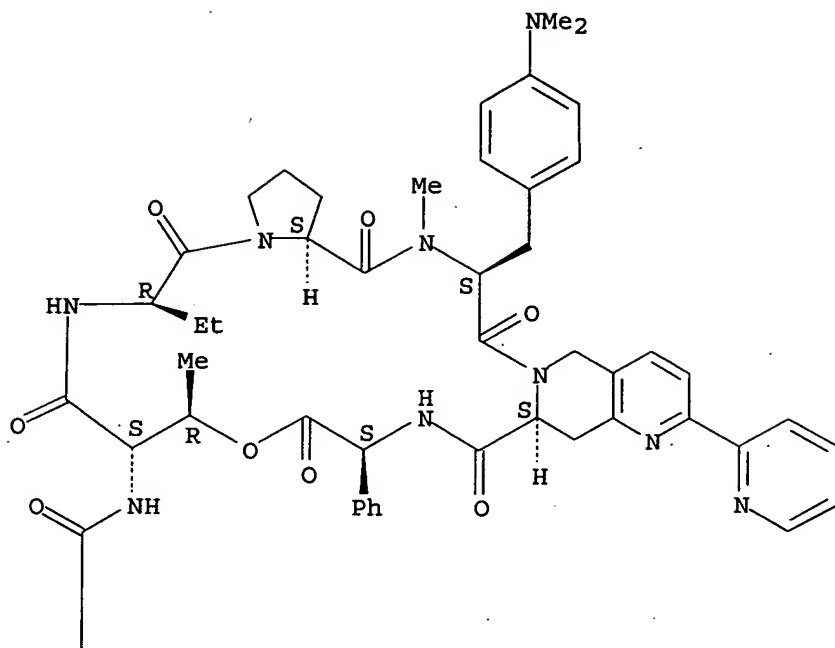
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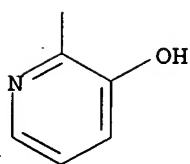
Absolute stereochemistry.



PAGE 1-A



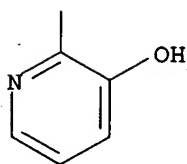
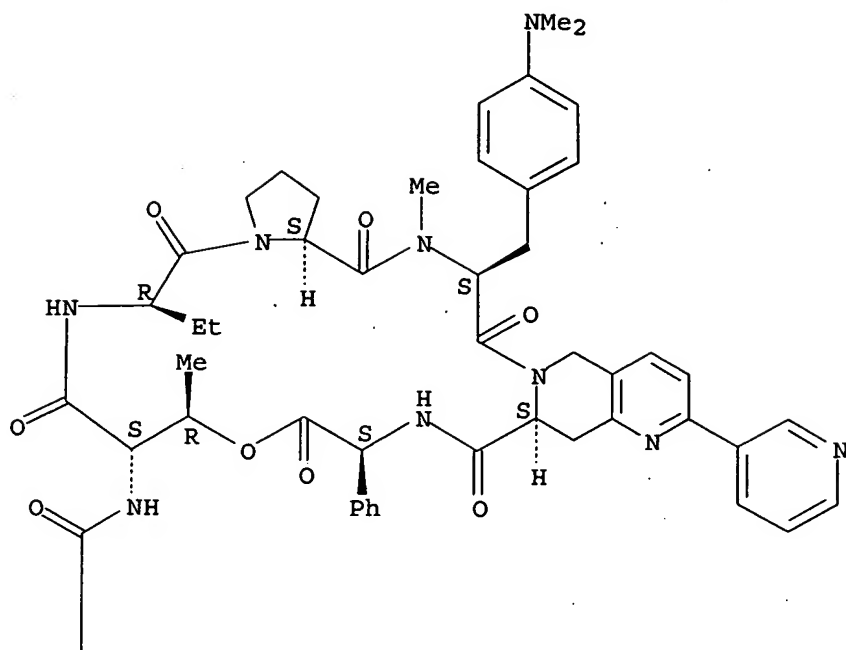
PAGE 2-A



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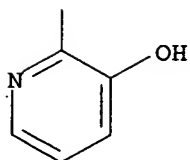
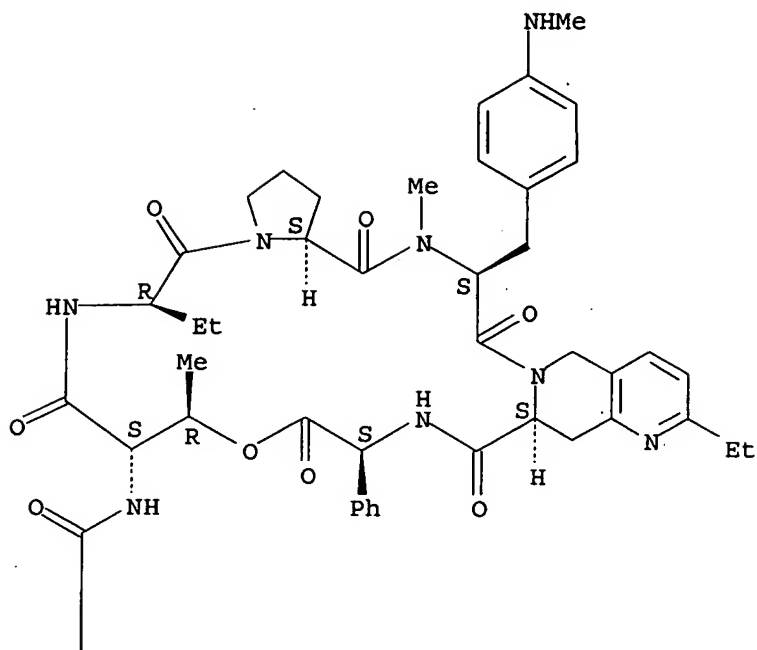
Absolute stereochemistry.



RN 239793-13-6 HCAPLUS

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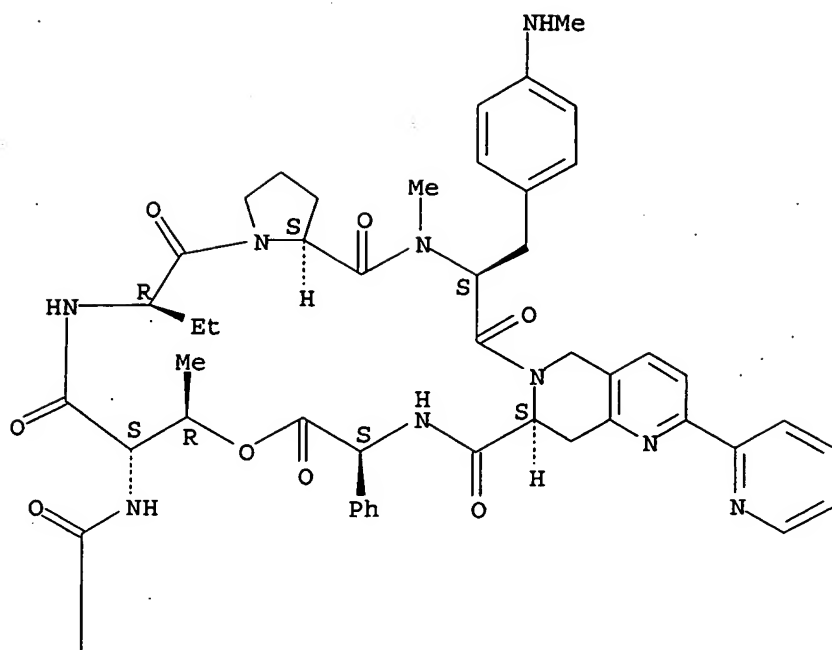
Absolute stereochemistry.



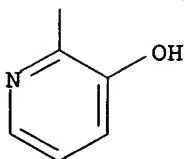
RN 239793-14-7 HCAPLUS  
CN Pristinamycin IB, 5-[(7S)-5,6,7,8-tetrahydro-2-(2-pyridinyl)-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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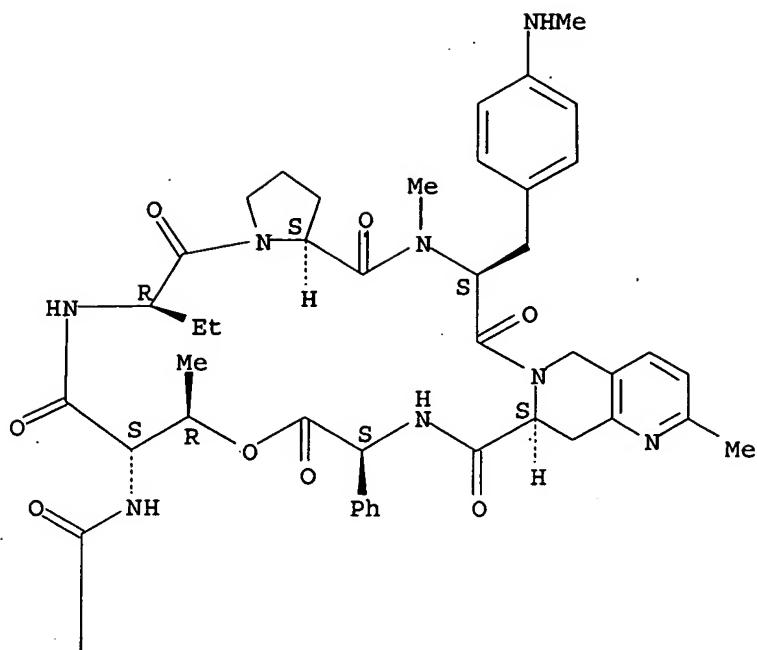


RN 239793-15-8 HCAPLUS

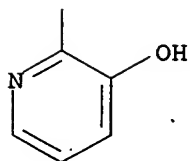
CN Pristinamycin IB, 5-[(7S)-5,6,7,8-tetrahydro-2-methyl-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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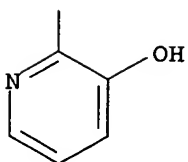
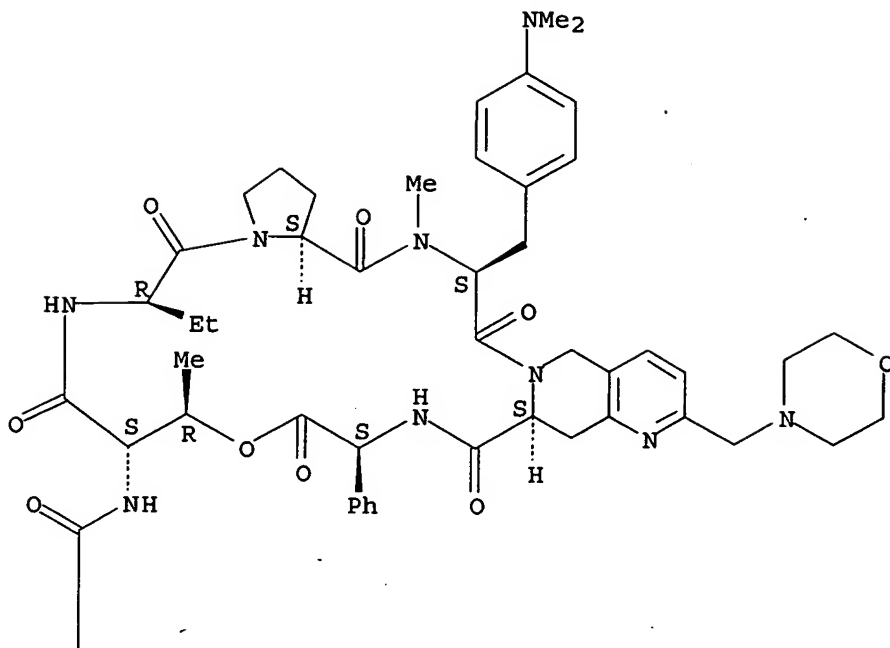
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RN 239793-16-9 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(4-morpholinylmethyl)-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

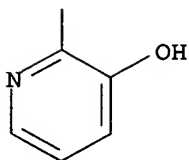
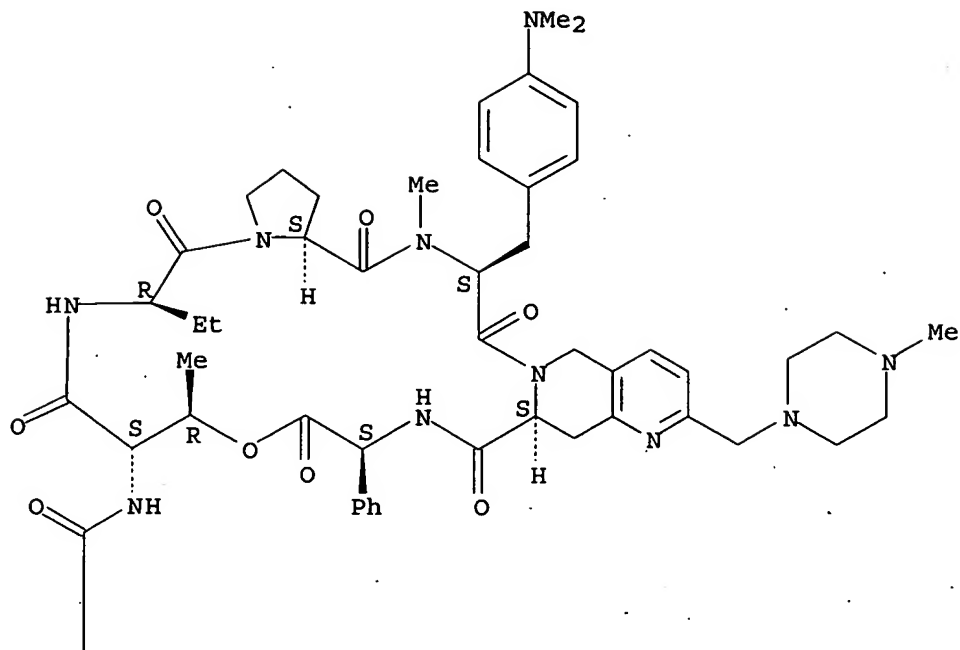
Absolute stereochemistry.



RN 239793-17-0 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-[(4-methyl-1-piperazinyl)methyl]-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

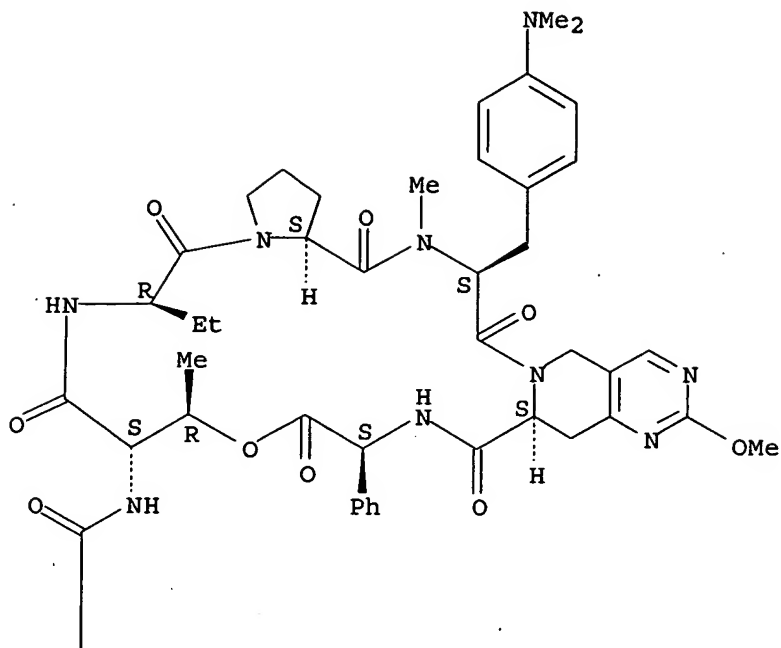


RN 239793-18-1 HCAPLUS

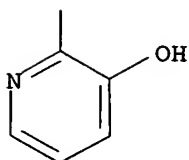
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-methoxypyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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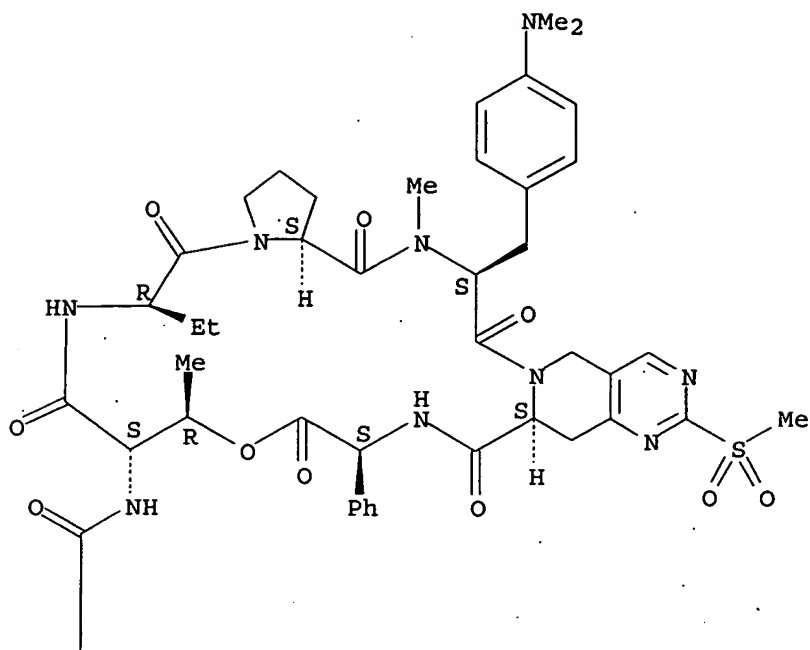
RN 239793-20-5 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(methylsulfonyl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

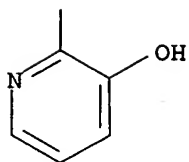
Absolute stereochemistry.



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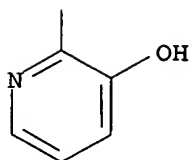
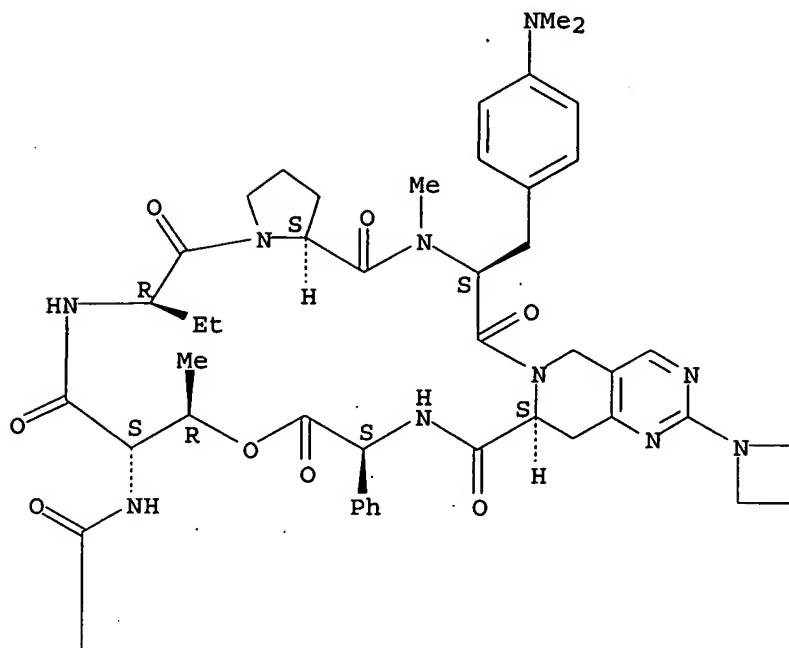
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RN 239793-26-1 HCAPLUS.

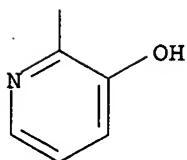
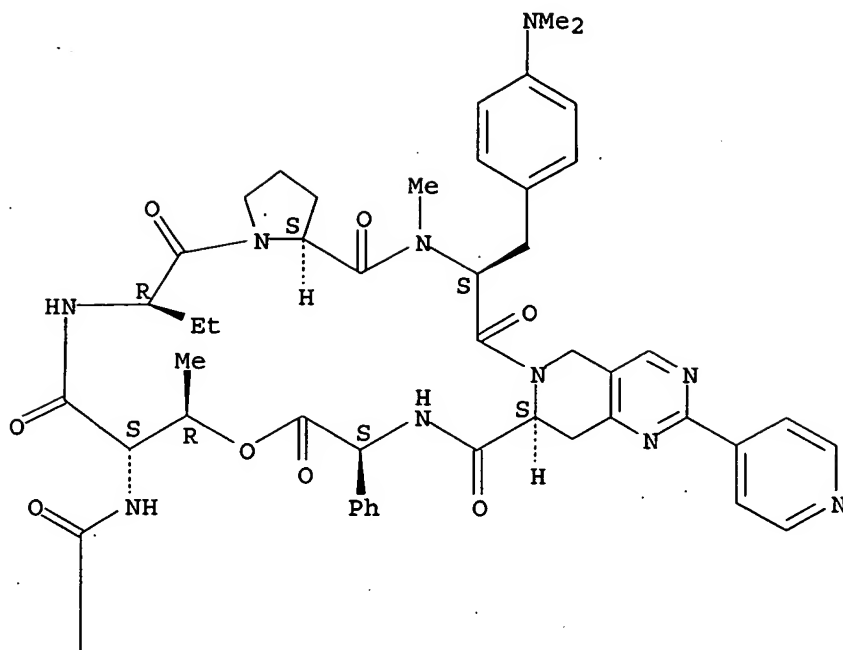
CN Pristinamycin IA, 5-[(7S)-2-(1-azetidiny)-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 239793-27-2 HCAPLUS  
 CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(4-pyridinyl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

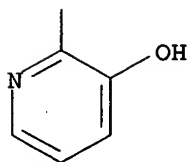
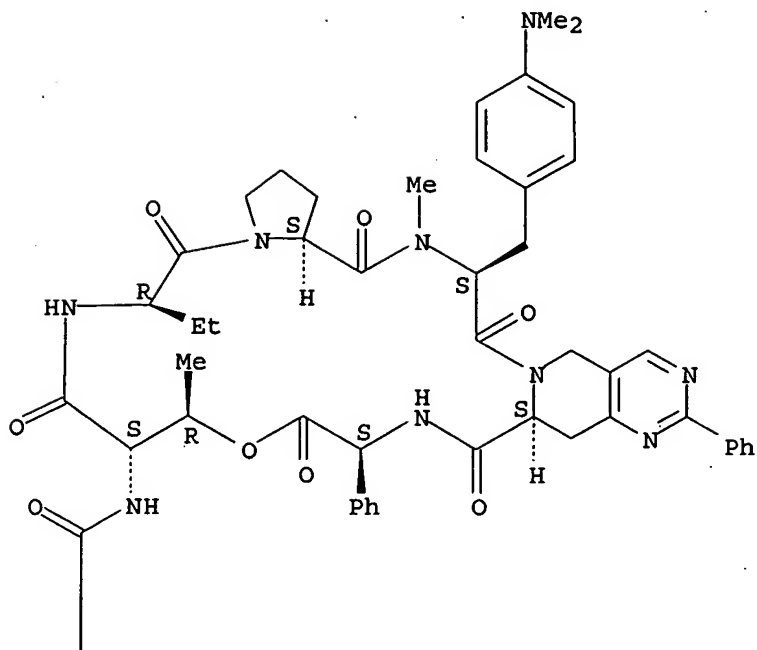
Absolute stereochemistry.



RN 239793-29-4 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-phenylpyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI). (CA INDEX NAME)

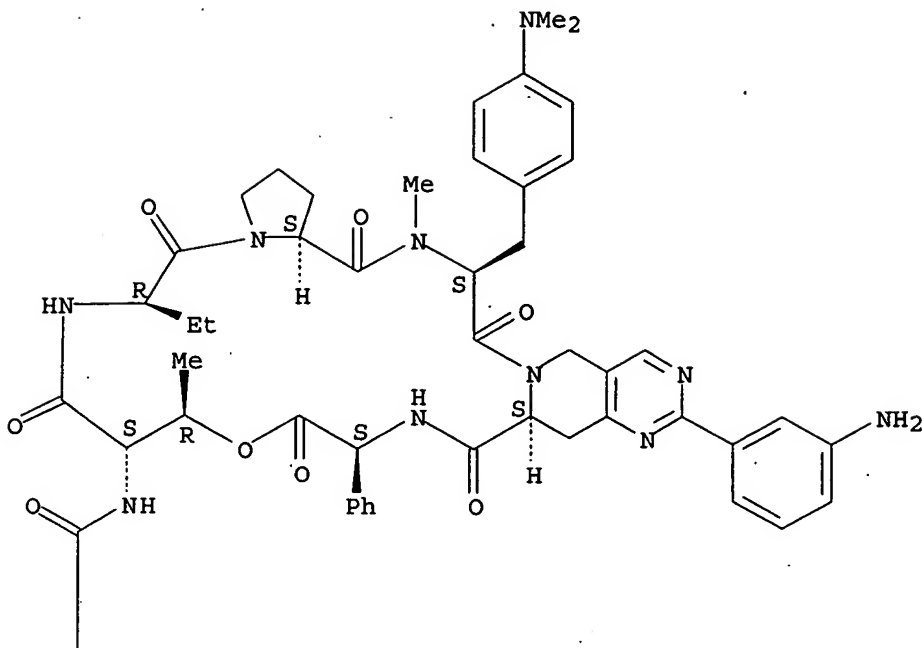
Absolute stereochemistry.



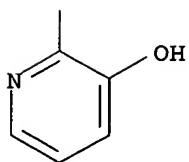
RN 239793-30-7 HCAPLUS  
 CN Pristinamycin IA, 5-[(7S)-2-(3-aminophenyl)-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX\_NAME)

Absolute stereochemistry.

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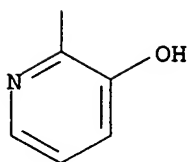
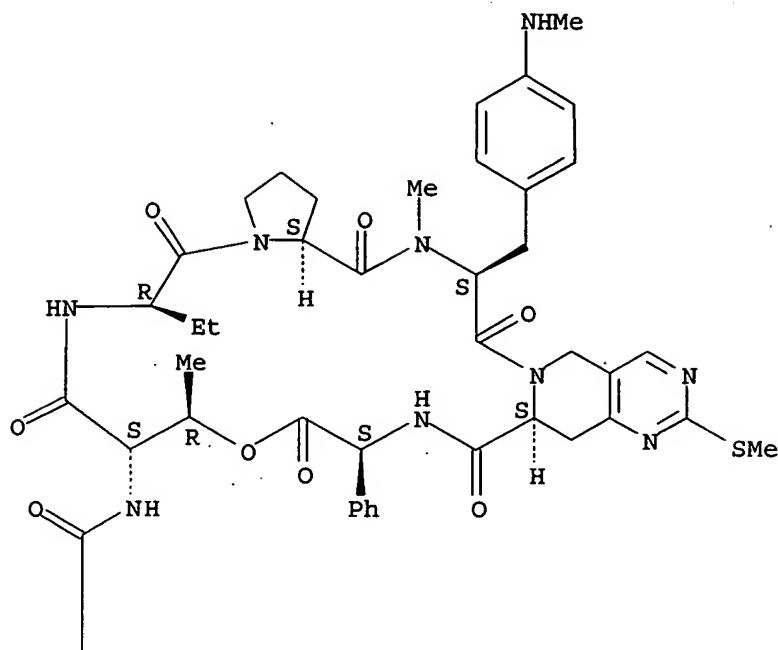
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RN 239793-32-9 HCAPLUS

CN Pristinamycin IB, 5-[(7S)-5,6,7,8-tetrahydro-2-(methylthio)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

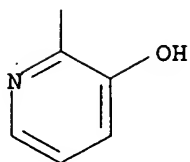
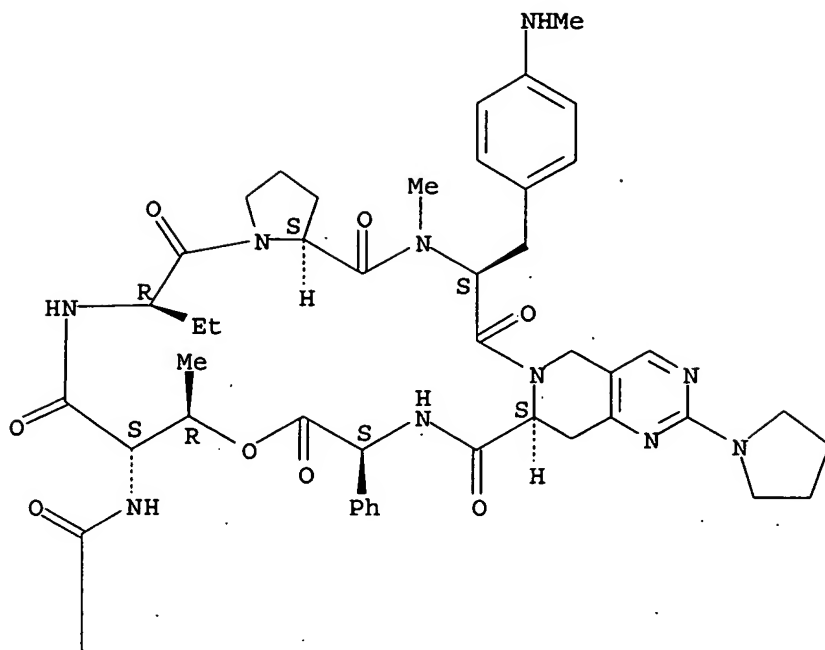
Absolute stereochemistry.



RN 239793-33-0 HCAPLUS

CN Pristinamycin IB, 5-[(7S)-5,6,7,8-tetrahydro-2-(1-pyrrolidinyl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

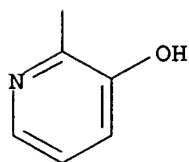
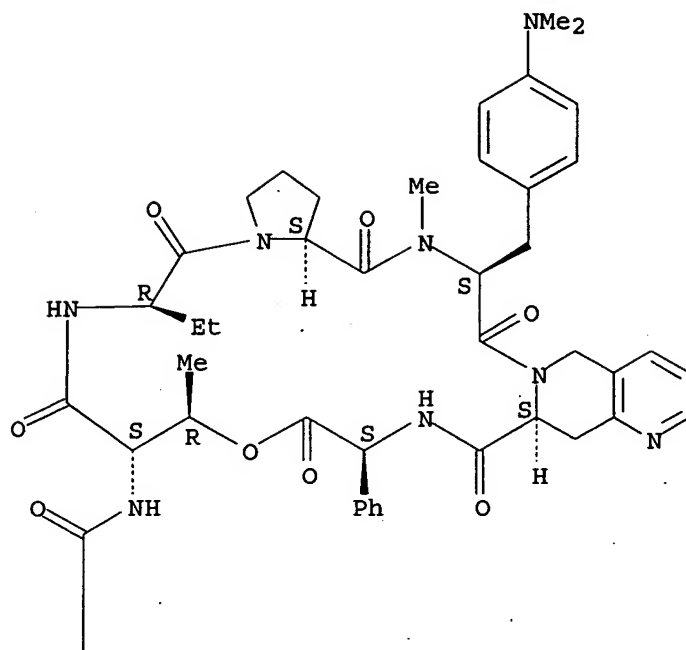
Absolute stereochemistry.



RN 239793-34-1 HCAPLUS

CN	Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)
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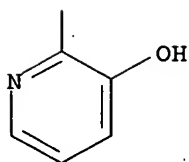
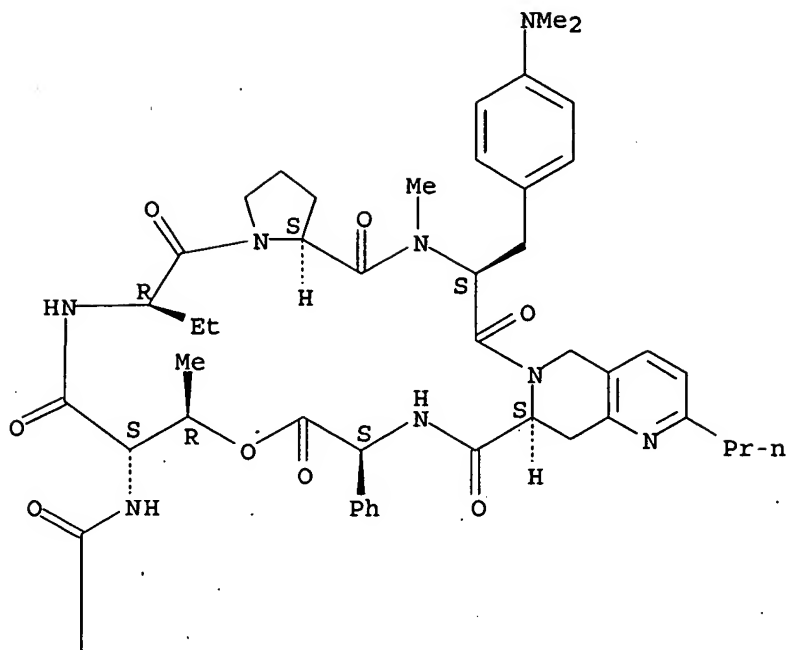
Absolute stereochemistry.



RN 239793-36-3 HCAPLUS  
 CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-propyl-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



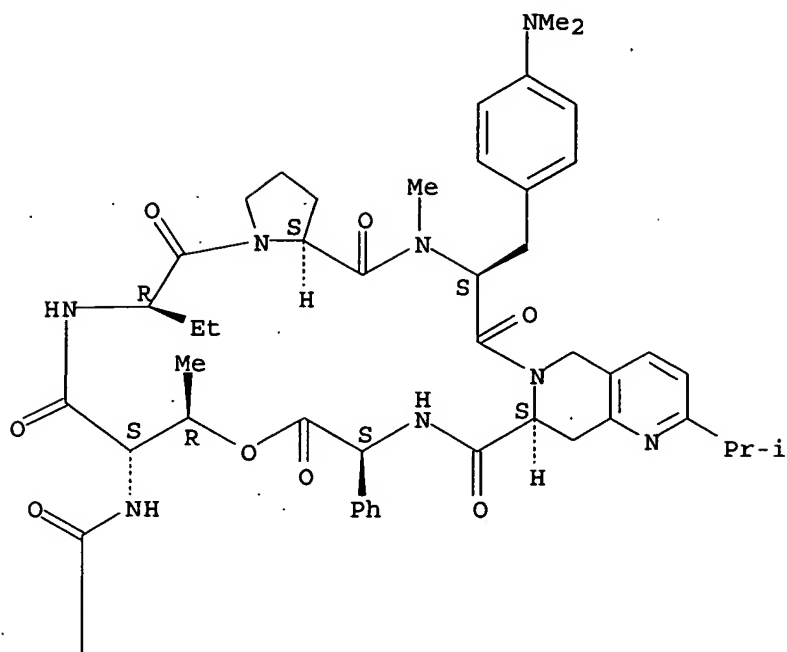


RN 239793-37-4 HCAPLUS

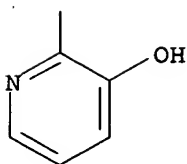
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(1-methylethyl)-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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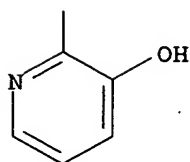
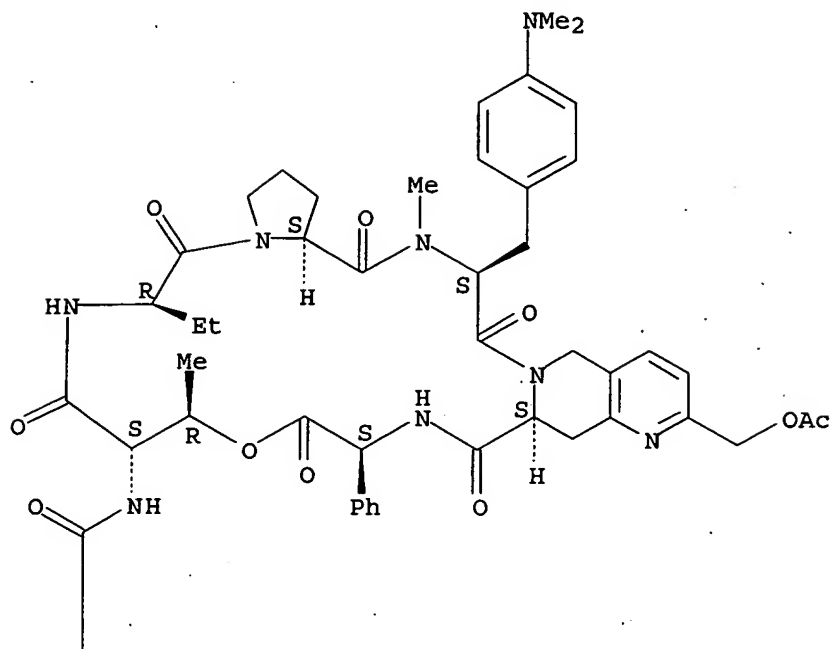
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RN 239793-38-5 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-2-[(acetyloxy)methyl]-5,6,7,8-tetrahydro-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

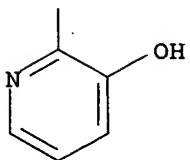
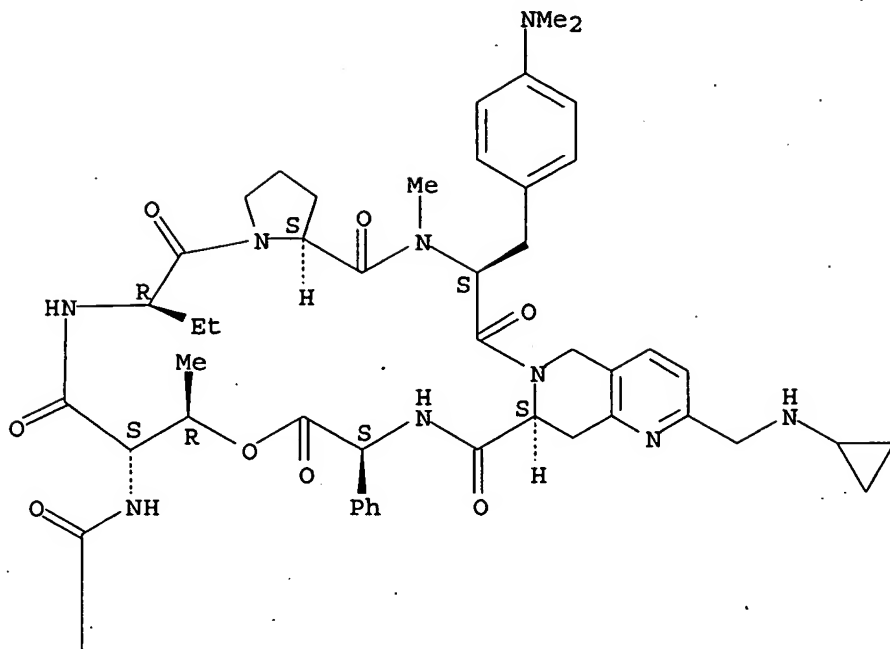
Absolute stereochemistry.



RN 239793-39-6 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-2-[(cyclopropylamino)methyl]-5,6,7,8-tetrahydro-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

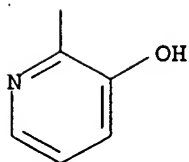
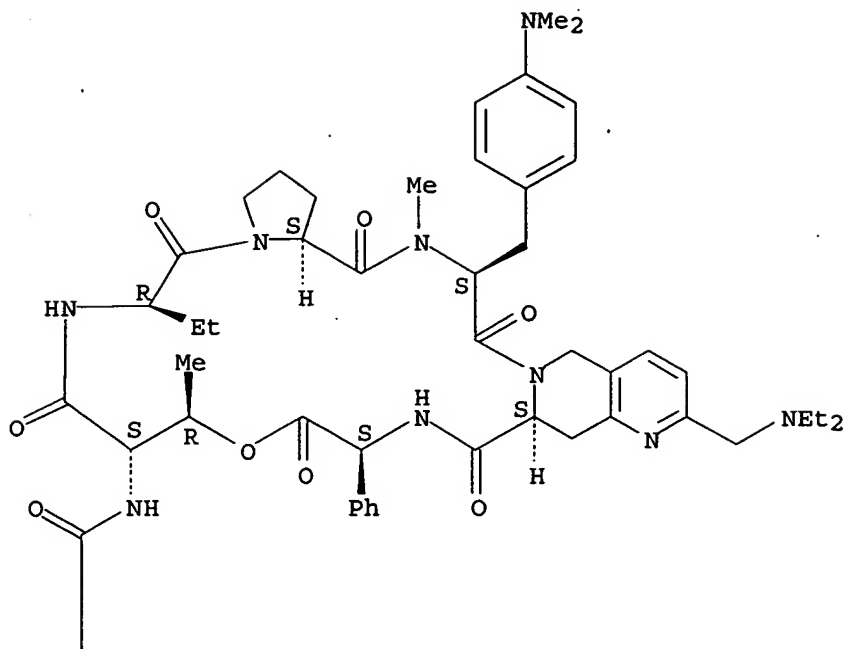
Absolute stereochemistry.



RN 239793-40-9 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-2-[(diethylamino)methyl]-5,6,7,8-tetrahydro-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

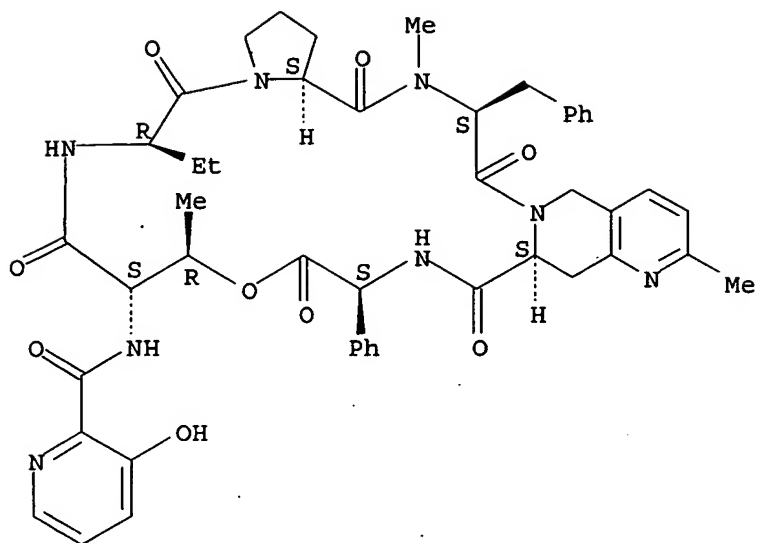
Absolute stereochemistry.



RN 239793-41-0 HCAPLUS

CN Pristinamycin IA, 4-(N-methyl-L-phenylalanine)-5-[(7S)-5,6,7,8-tetrahydro-2-methyl-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

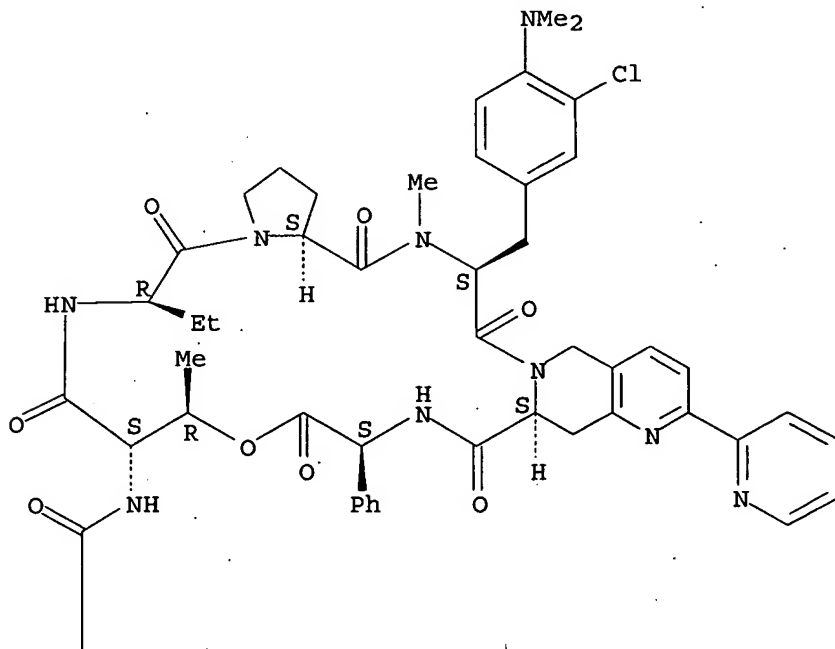


RN 239793-43-2 HCAPLUS

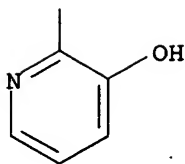
CN Pristinamycin IA, 4-[3-chloro-4-(dimethylamino)-N-methyl-L-phenylalanine]-5-[(7S)-5,6,7,8-tetrahydro-2-(2-pyridinyl)-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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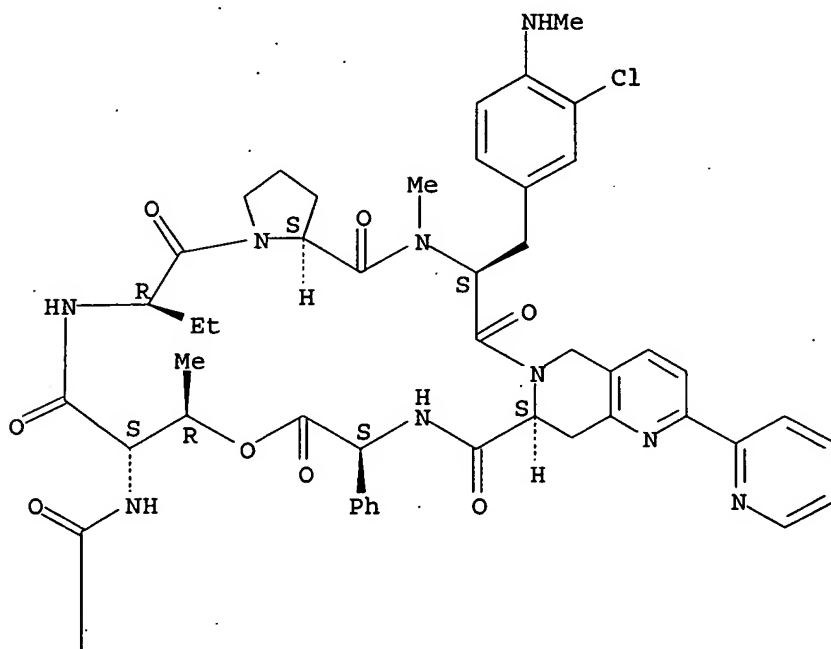


RN 239793-44-3 HCAPLUS

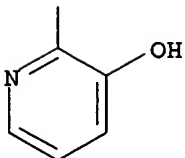
CN Pristinamycin IB, 4-[3-chloro-N-methyl-4-(methylamino)-L-phenylalanine]-5-  
 [(7S)-5,6,7,8-tetrahydro-2-(2-pyridinyl)-1,6-naphthyridine-7-carboxylic  
 acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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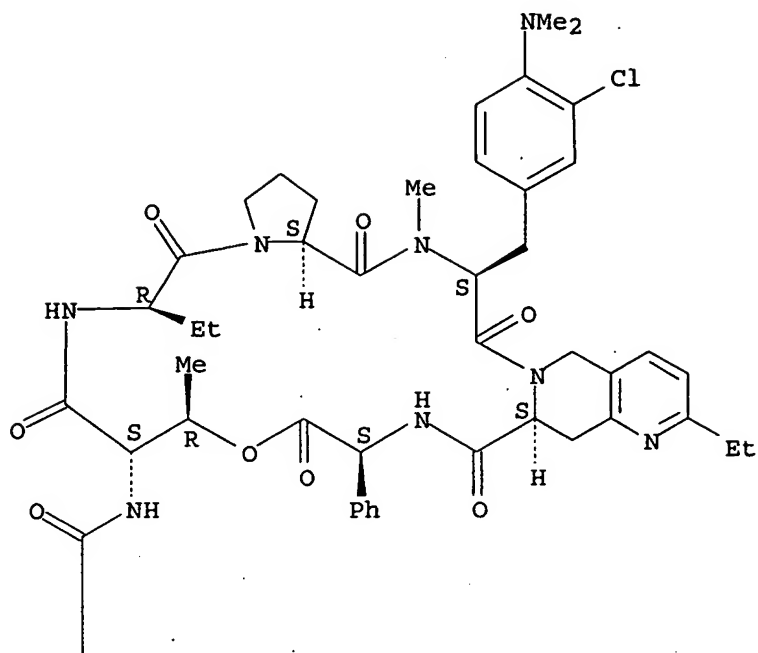


RN 239793-45-4 HCAPLUS

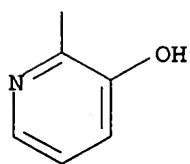
CN Pristinamycin IA, 4-[3-chloro-4-(dimethylamino)-N-methyl-L-phenylalanine]-  
 5-[(7S)-2-ethyl-5,6,7,8-tetrahydro-1,6-naphthyridine-7-carboxylic acid]-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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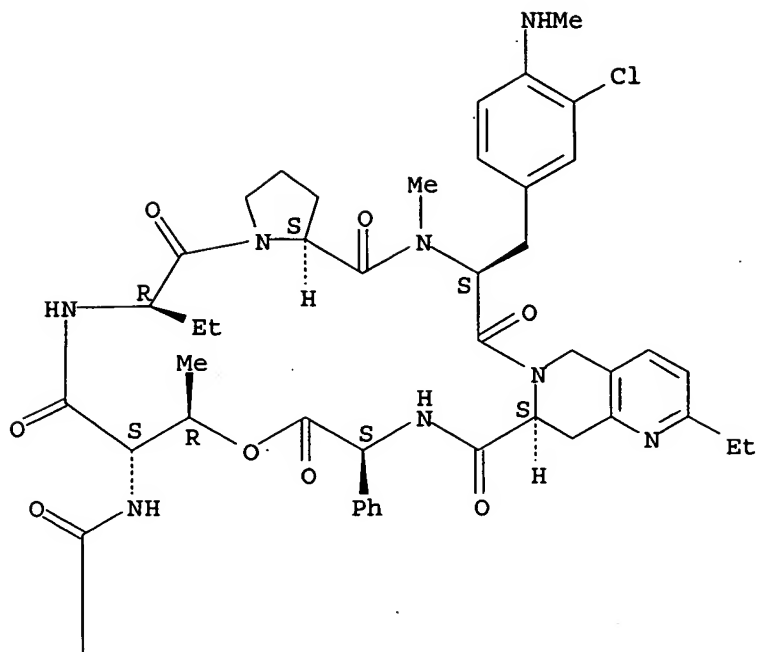


RN 239793-46-5 HCAPLUS  
 CN Pristinamycin IB, 4-[3-chloro-N-methyl-4-(methylamino)-L-phenylalanine]-5-  
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 (9CI) (CA INDEX NAME)

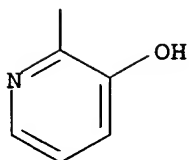
Absolute stereochemistry.



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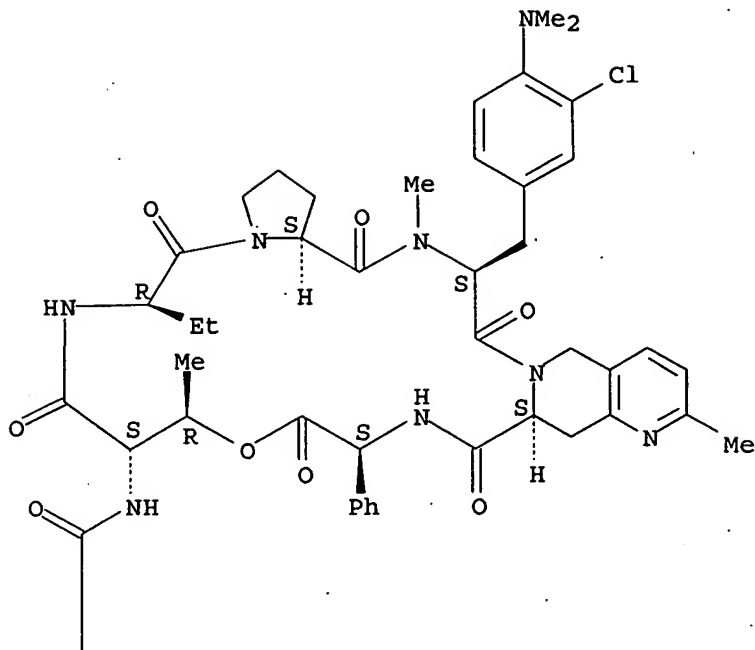
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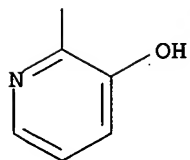
RN 239793-47-6 HCAPLUS  
 CN Pristinamycin IA, 4-[3-chloro-4-(dimethylamino)-N-methyl-L-phenylalanine]-  
 5-[(7S)-5,6,7,8-tetrahydro-2-methyl-1,6-naphthyridine-7-carboxylic acid]-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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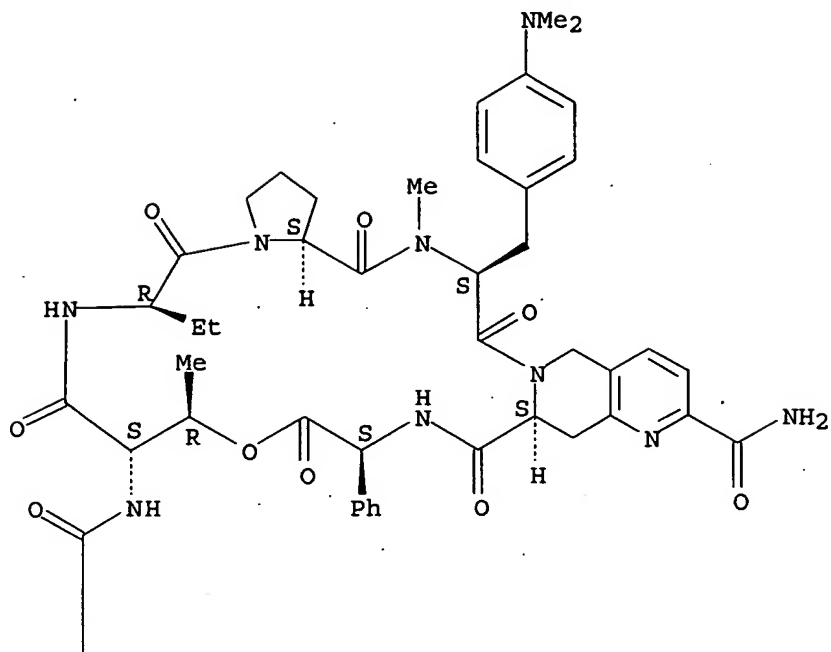
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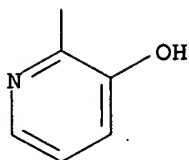
RN 239793-50-1 HCAPLUS  
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Absolute stereochemistry.

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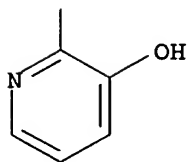
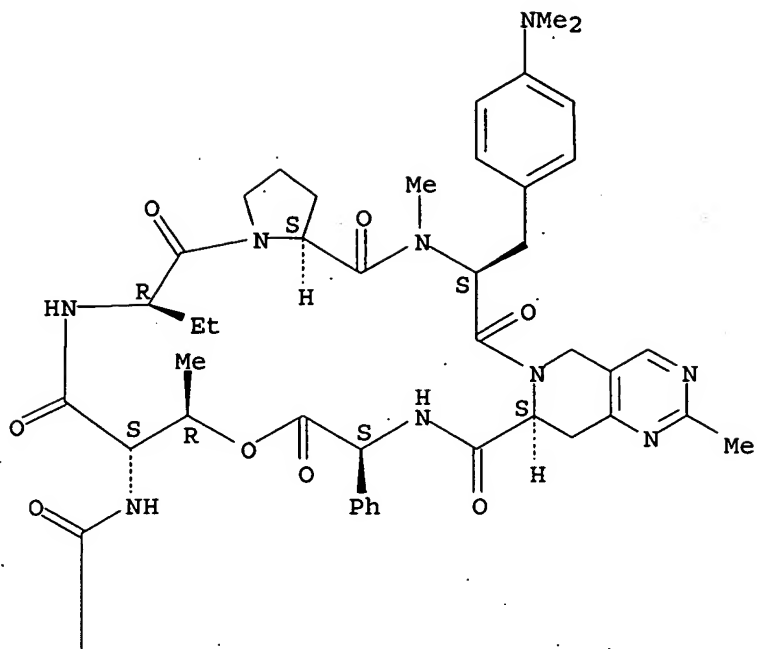
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RN 239793-51-2 HCAPLUS

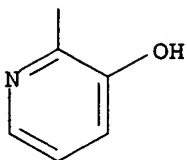
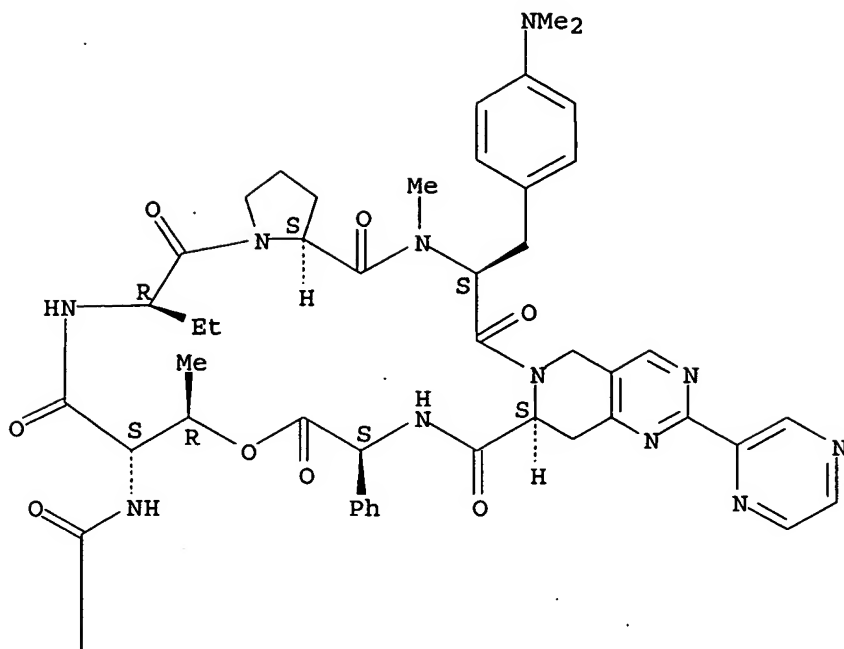
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-methylpyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 239793-52-3 HCAPLUS  
 CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-pyrazinylpyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

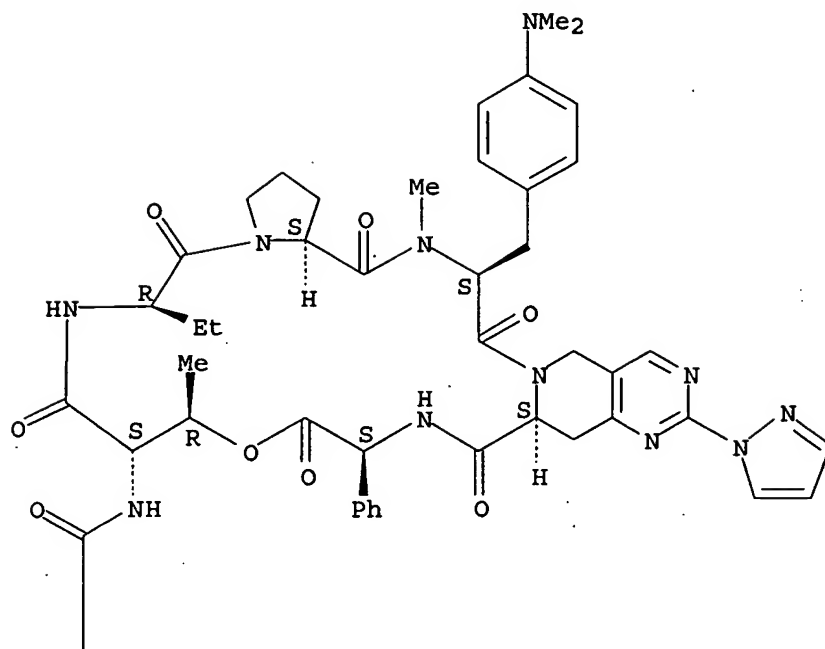


RN 239793-53-4 HCAPLUS

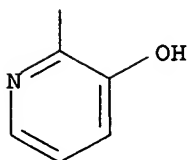
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(1H-pyrazol-1-yl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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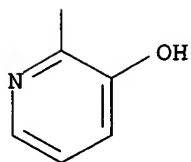
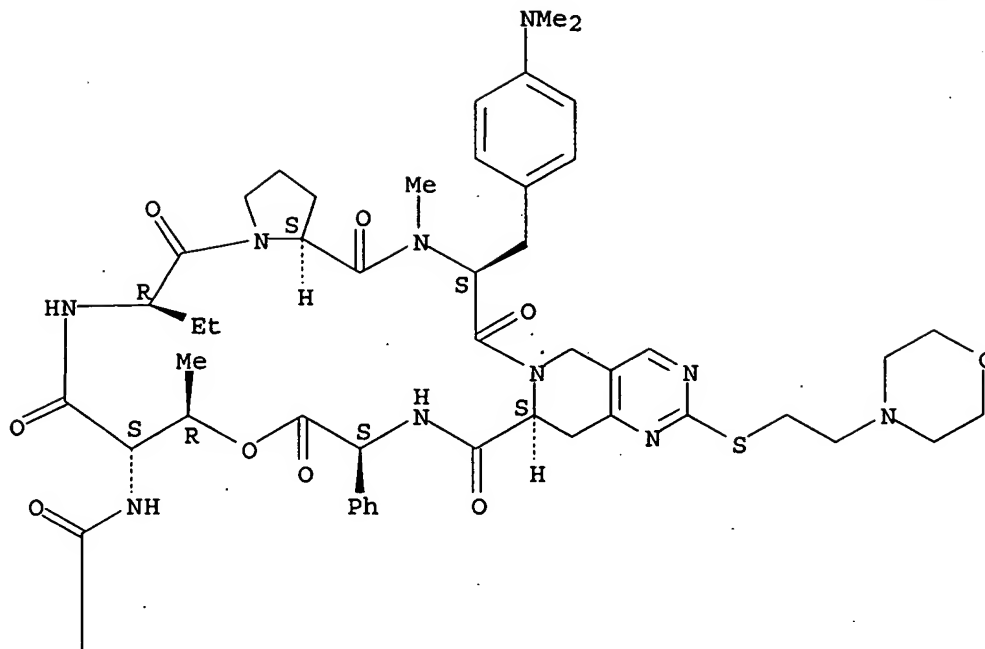


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RN 239793-56-7 HCAPLUS  
 CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-[[2-(4-morpholinyl)ethyl]thio]pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI)  
 (CA INDEX NAME)

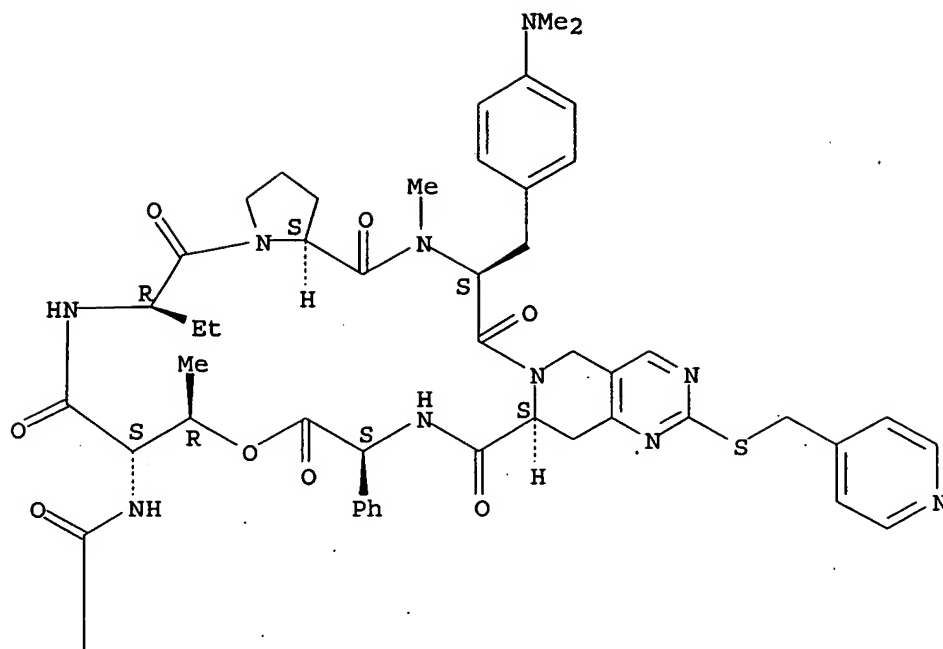
Absolute stereochemistry.



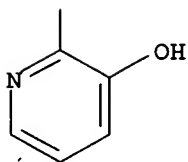
RN 239793-57-8 HCAPLUS  
 CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-[(4-pyridinylmethyl)thio]pyrido[4,3-d]pyrimidine-7-carboxylic acid] - (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.

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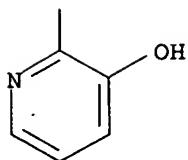
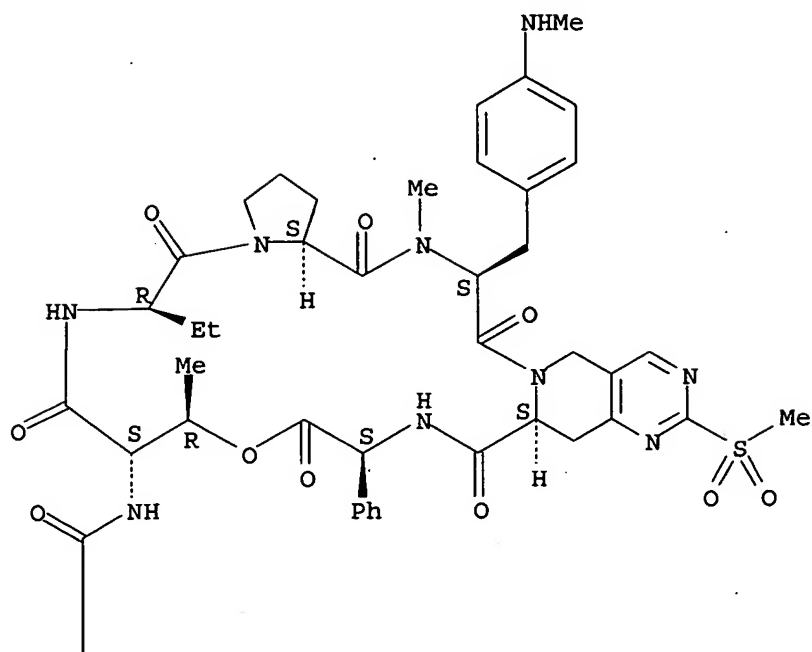
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RN 239793-58-9 HCAPLUS  
 CN Pristinamycin IB, 5-[(7S)-5,6,7,8-tetrahydro-2-(methylsulfonyl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

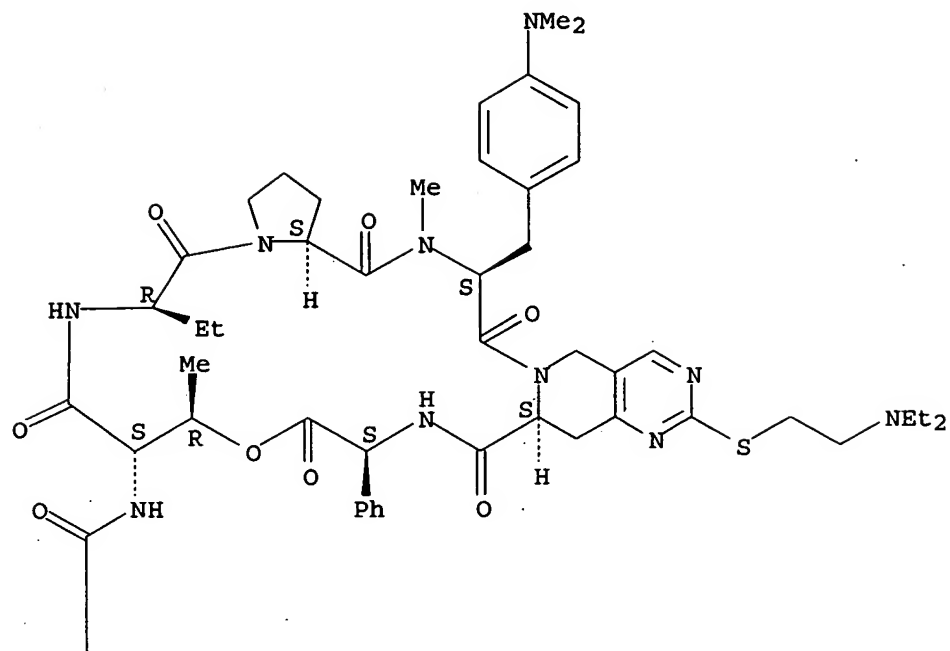




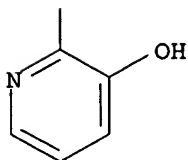
RN	239793-61-4	HCAPLUS
CN	Pristinamycin IA, 5-[(7S)-2-[[2-(diethylamino)ethyl]thio]-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)	

Absolute stereochemistry.

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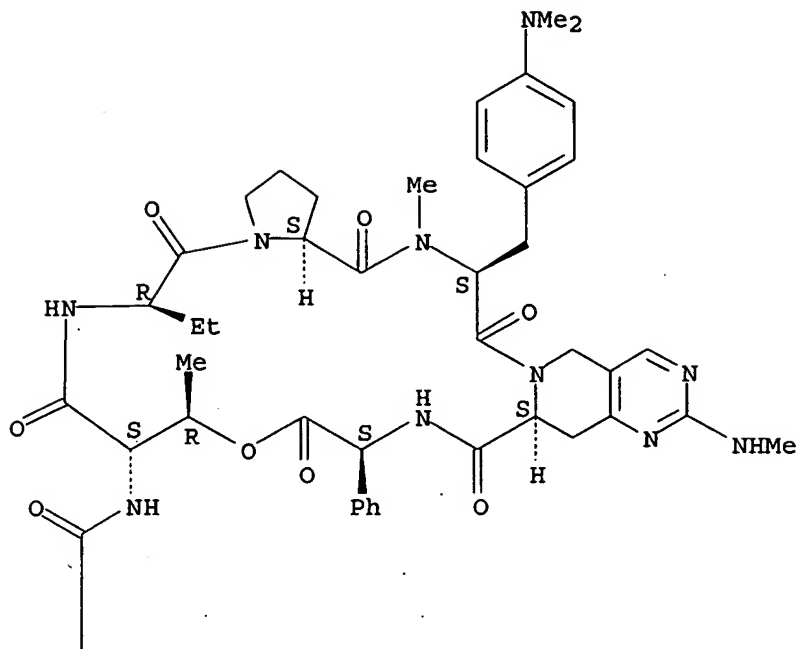


RN 239793-63-6 HCAPLUS

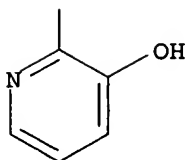
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(methylamino)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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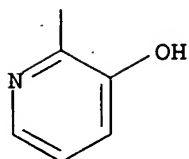
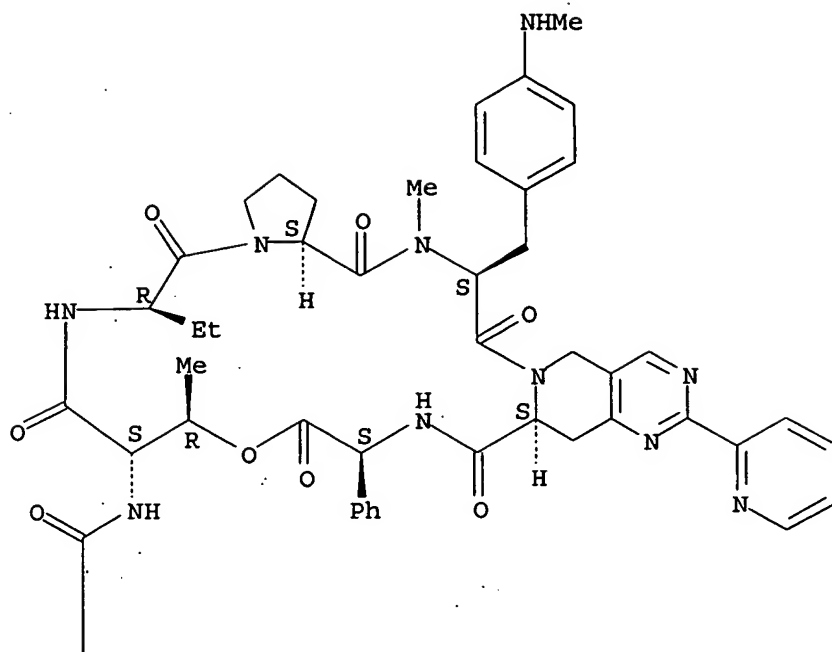
PAGE 2-A



RN 239793-66-9 HCAPLUS

CN Pristinamycin IB, 5-[(7S)-5,6,7,8-tetrahydro-2-(2-pyridinyl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

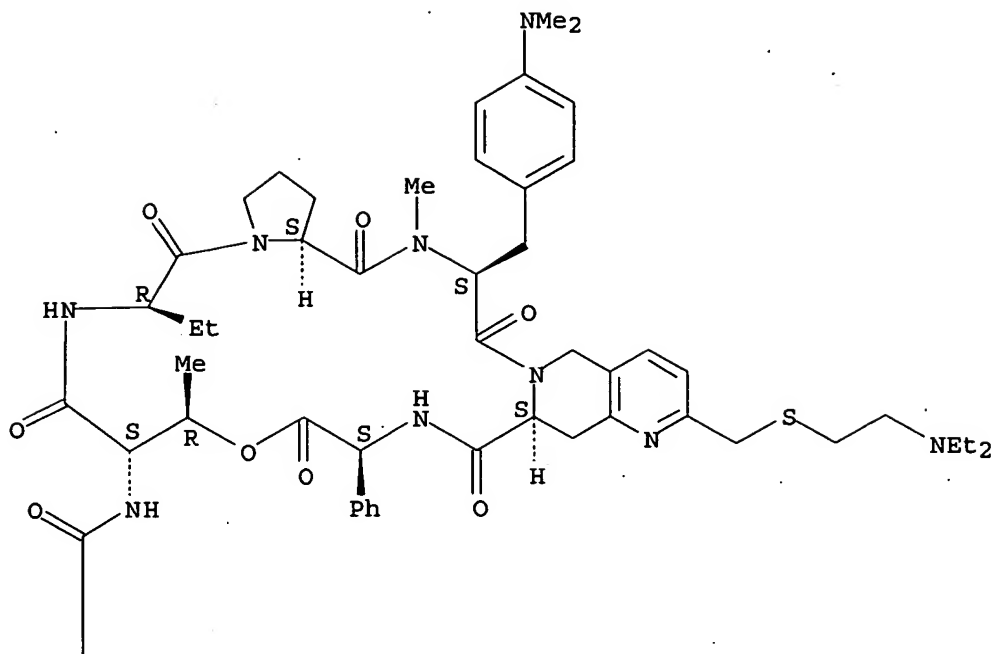


RN 239793-73-8 HCAPLUS

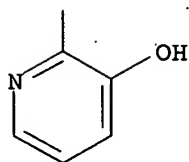
CN Pristinamycin IA, 5-[(7S)-2-[[[2-(diethylamino)ethyl]thio]methyl]-5,6,7,8-tetrahydro-1,6-naphthyridine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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IT 239792-87-1P 239793-04-5P 239793-21-6P  
 239793-23-8P 239793-24-9P 239793-59-0P  
 239793-68-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of streptogramin derivs. as antimicrobial agents)

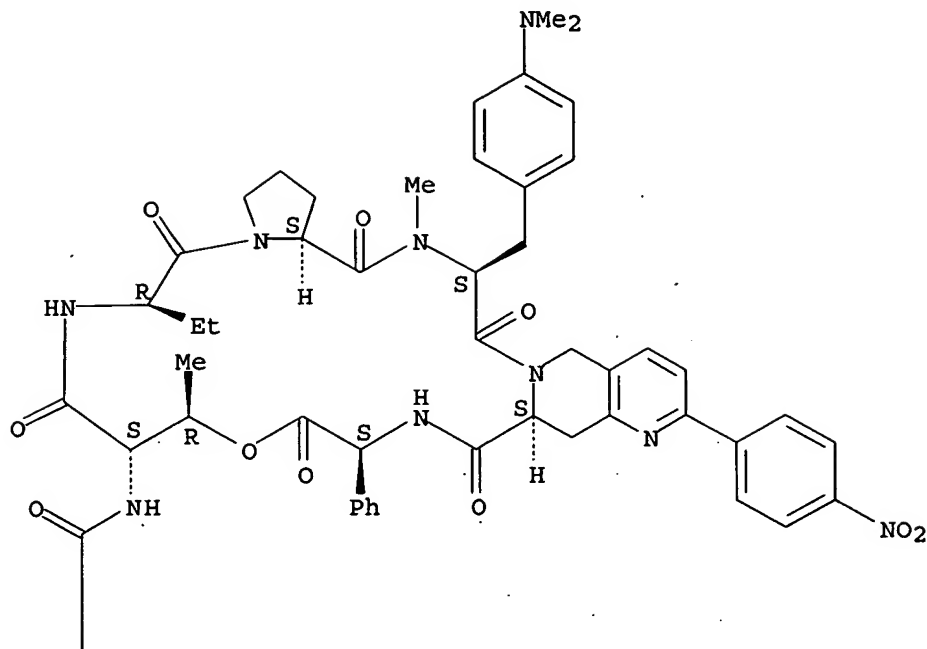
RN 239792-87-1 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-methyl-3-  
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 INDEX NAME)

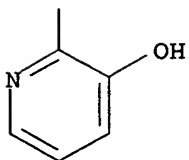
Absolute stereochemistry.



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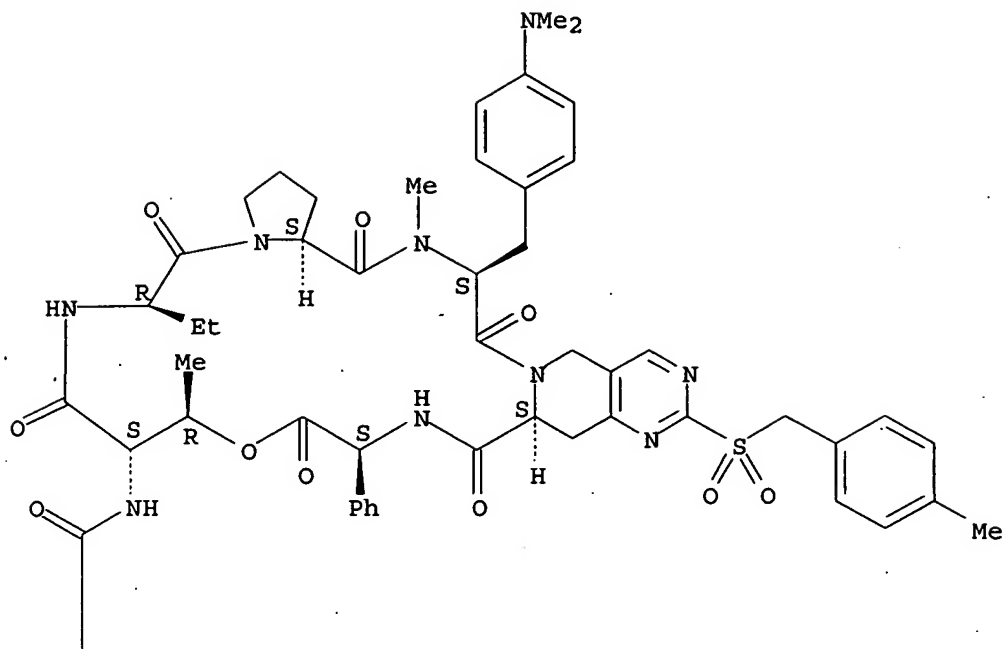


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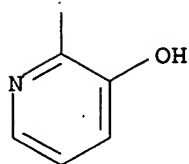
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-[[[4-methylphenyl)methyl]sulfonyl]pyrido[4,3-d]pyrimidine-7-carboxylic acid]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

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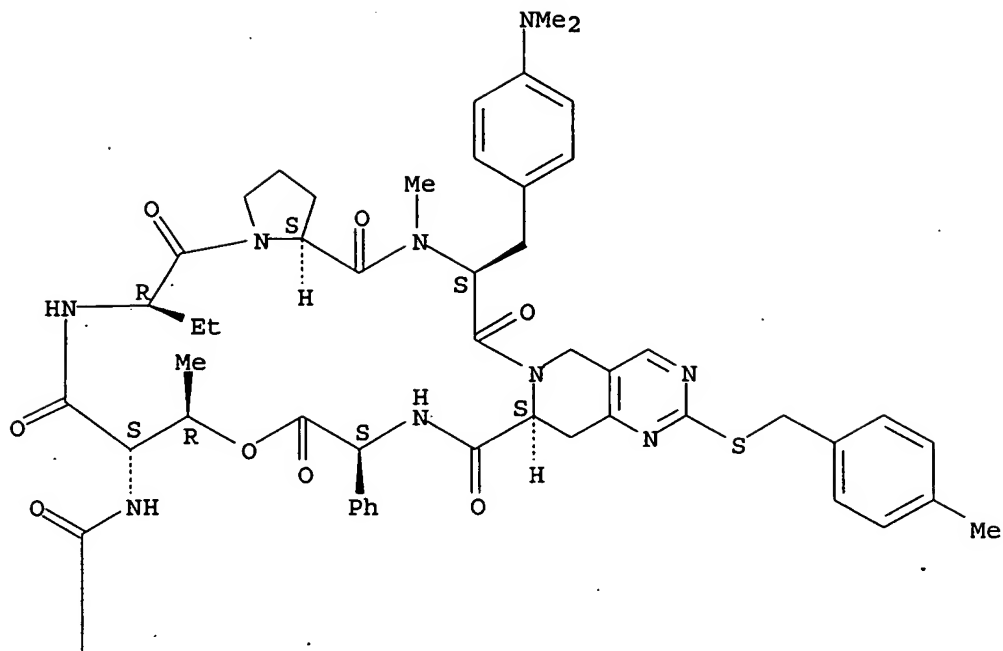


RN 239793-23-8 HCAPLUS  
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 (CA INDEX NAME)

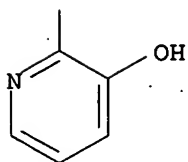
Absolute stereochemistry.



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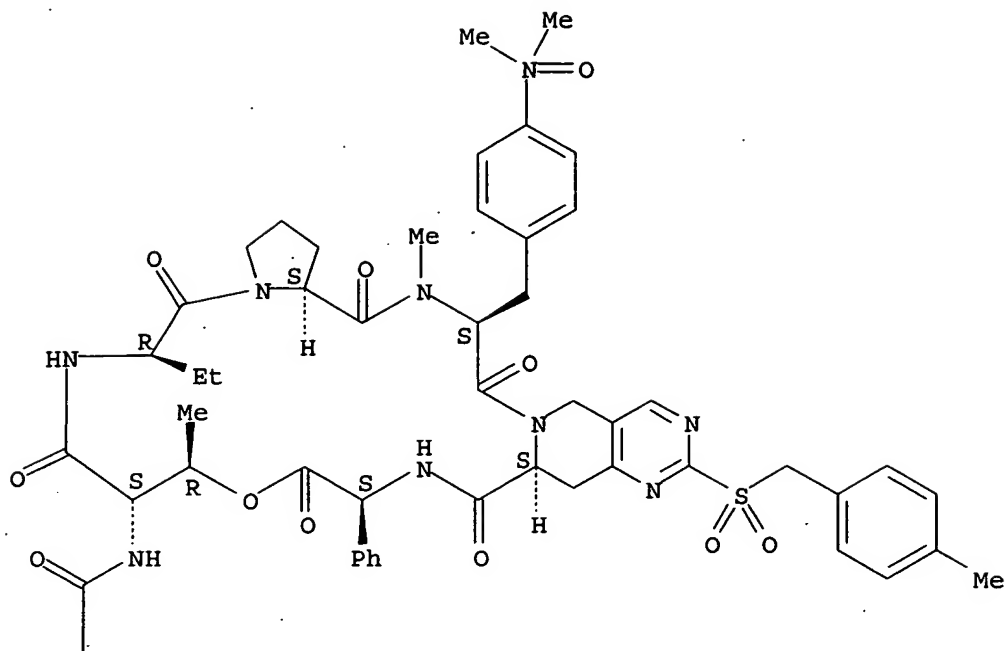


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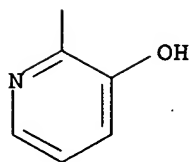
CN Pristinamycin IA, 4-[4-(dimethyloxidoamino)-N-methyl-L-phenylalanine]-5-  
 [(7S)-5,6,7,8-tetrahydro-2-[[[(4-methylphenyl)methyl]sulfonyl]pyrido[4,3-  
 d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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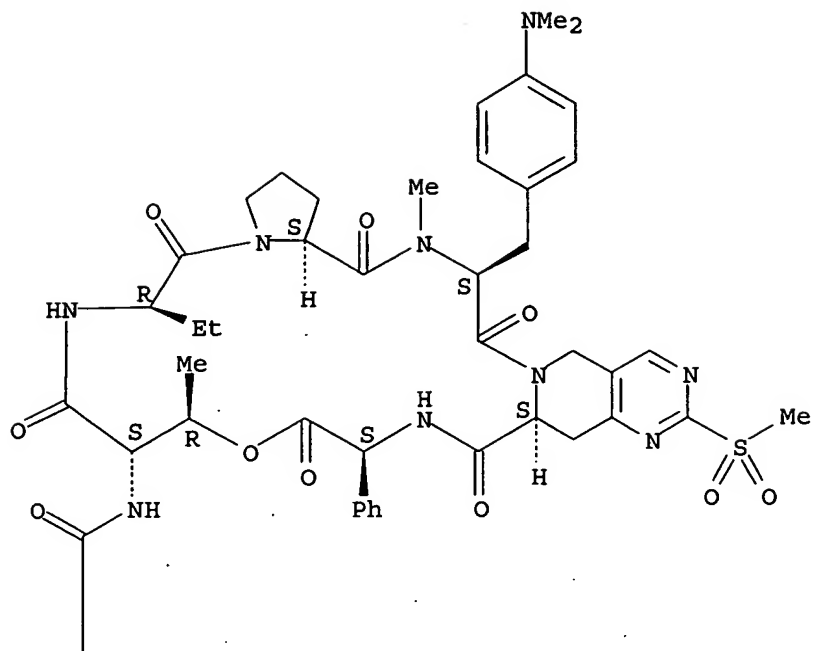


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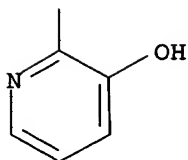
CN Pristinamycin IA, 5-[(7S)-5,6,7,8-tetrahydro-2-(methylsulfonyl)pyrido[4,3-d]pyrimidine-7-carboxylic acid]-, monopotassium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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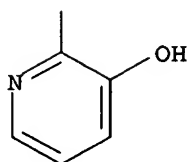
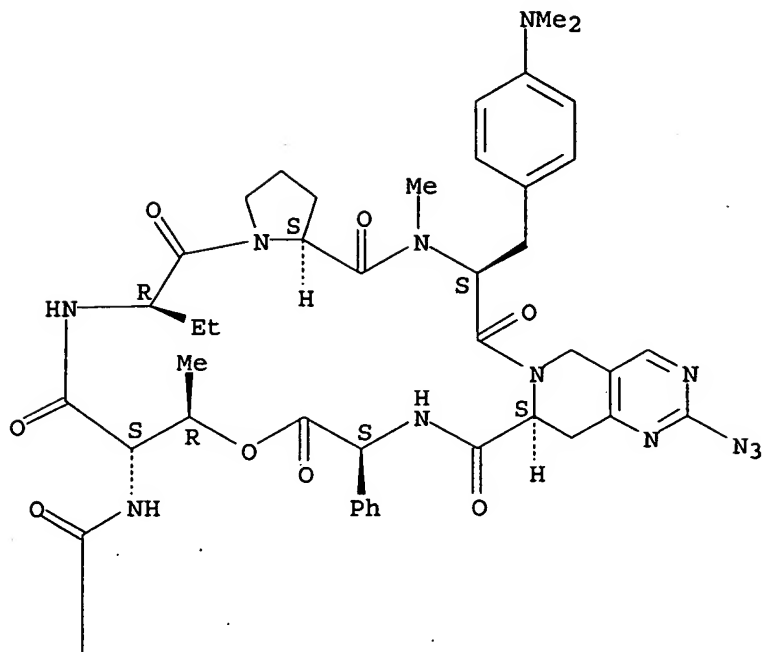


● K

RN 239793-68-1 HCAPLUS

CN Pristinamycin IA, 5-[(7S)-2-azido-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidine-7-carboxylic acid]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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